
INDEX

DOKLADY CHEMISTRY

Volumes 202-207, 1972

4 - 2 - E3 - F4

AUTHOR INDEX

DOKLADY CHEMISTRY

Volumes 202-207, 1972

(A translation of the Chemistry section of Doklady Akademii Nauk SSSR)

A

- Abaeva, N. Kh. - 281
Abakumov, G. A. - 68, 95, 433,
593, 645, 788
Abaturova, N. A. - 443
Abdul'minev, I. K. - 568
Ablov, A. V. - 547, 763, 864, 1005
Aérov, M. É. - 794
Afrina, E. I. - 214
Agronomov, A. E. - 529
Akhamdeeva, M. G. - 608
Akhrem, A. A. - 24, 189, 233
Aladko, L. S. - 328
Alaverdyan, G. Sh. - 436, 482
Aleksakhin, G. V. - 902
Alekseev, N. N. - 722
Alekseeva, A. V. - 794
Alekseeva, E. A. - 118, 785, 885
Alekseeva, L. M. - 983
Alekseeva, V. P. - 222
Alyamovskii, S. I. - 843
Amerik, Yu. B. - 61, 411
Aminev, I. Kh. - 128
Aminov, T. G. - 753
Anashkin, M. G. - 349
Andrianov, K. A. - 58, 453, 495,
743, 765, 876, 950
Andronov, V. F. - 58
Anisimov, K. N. - 75
Antonov, V. K. - 615
Apin, A. Ya. - 9
Arbuзов, Б. А. - 251, 281, 457,
501, 523, 618, 648, 909
Areshidze, Kh. I. - 92
Arest-Yakubovich, A. A. - 802
Armosov, A. V. - 193
Arshinova, R. P. - 504, 523
Aslanov, L. A. - 508, 568
Asratyan, G. V. - 439
Avdeeva, L. R. - 820
Ayupova, R. S. - 968
Azarova, L. A. - 740

B

- Badashkeeva, A. G. - 769
Bagrii, E. I. - 275
Baider, L. M. - 709
Balashova, E. G. - 15
Baldokhin, Yu. V. - 833
Baletskii, P. M. - 968
Baranetskaya, N. K. 75, 980
Barbanel', Yu. A. - 98
Bardyshev, I. L. - 102
Barkar', E. P. - 105
Barkhash, V. A. - 685
Barkman, V. S. - 855
Baryshnikov, Yu. N. - 670
Baryshnikova, T. K. - 45, 895
Bashkirov, A. N. - 217, 366, 469,
657, 929
Bashkirova, S. A. - 642
Baturin, A. A. - 61
Baukova, T. V. - 781, 816
Bazhenova, N. N. - 733
Beilin, S. I. - 131, 225
Bekker, R. A. - 439
Belen'kaya, É. S. - 15
Belen'kii, B. G. - 473
Beletskaya, I. P. - 383
Belov, A. P. - 1
Belyaeva, M. G. - 501
Belyavskii, A. B. - 64
Berentsveig, V. V. - 460
Berezovskii, V. M. - 517
Bezzubov, V. M. - 879
Bikbulatova, G. Sh. - 879, 909
Biryukova, T. V. - 765, 950
Biyushkin, V. N. - 21
Bizhanov, F. B. - 565
Bocharova, T. N. - 542
Bodnar', N. M. - 772
Bogdanov, V. S. - 45, 895
Bogdanov, V. V. - 830
Bogdanova, L. G. - 864
Bologa, O. A. - 763

- Bol'shakov, K. A. - 688, 772
Bondar', I. A. - 161
Bondarev, Yu. M. - 529
Bondaryuk, I. V. - 328
Borisov, G. K. - 204
Borodach, M. S. - 317
Borodina, L. S. - 899
Borovinskaya, I. P. - 429
Borunova, N. V. - 974
Botoshanskii, M. M. - 763
Bragin, O. V. - 27
Bronshtein, É. A. - 323
Bryantsev, B. I. - 300
Bryukhanov, V. G. - 81
Bryukhova, E. V. - 122
Bubnov, N. N. - 463
Budarina, Z. N. - 536
Bukatov, G. D. - 913
Bundel', Yu. G. - 882
Buravov, L. N. - 283
Busev, S. A. - 450
Butyagin, P. Yu. - 946
Bychkov, V. T. - 68

C

- Cherkasov, V. K. - 593
Chermenko, G. M. - 225
Chernyak, S. M. - 262
Chernyshev, E. A. - 642
Chernysheva, T. I. - 31
Chirkin, G. K. - 386
Chirkov, A. K. - 433, 726
Chizhikov, D. M. - 867
Chlenov, M. A. - 115
Chufarov, G. I. - 325
Chuiko, A. A. - 791
Chukovskaya, E. T. - 64

D

- Danilina, L. I. - 957
Danilov, S. R. - 772
Danilov, V. G. - 136

Davidovskaya, A. M. - 994
Davydova, L. S. - 118, 785, 885
Degtyarev, L. S. - 133
Del'tsova, N. P. - 747
Demin, É. A. - 913
Dem'yanova, E. A. - 476
Dem'yanovich, V. M. - 147, 1002
Denisova, T. P. - 150
Devyatkh, G. - 204
Dogadkin, B. A. - 622
Dokunikhin, N. S. - 750
Dolgoplosk, B. A. - 131, 165, 225,
 776, 859
Dolidze, A. V. - 92
Domrachev, G. A. - 310
Dontsov, A. A. - 622
Dorfman, Ya. A. - 639
Drobyshev, Yu. P. - 685
Drozdov, V. A. - 58
Dubinkina, Z. S. - 416
Dubovitskii, V. A. - 632
Dubrovina, I. N. - 325
Dulenko, V. I. - 722
Durgar'yan, S. G. - 152
Dvorko, G. F. - 133
Dyadin, Yu. A. - 289, 328
D'yakonova, R. R. - 185
Dyatkin, B. L. - 439, 520
Dyatkina, M. E. - 78, 778, 869,
 926, 961
Dyatlova, Ch. V. - 864
Dzizenko, A. K. - 55, 990

E

Efremov, V. V. - 578
Eglazaryan, G. A. - 726
Éidus, Ya. T. - 92
Eliseeva, G. I. - 320
Elyakov, G. B. - 55, 990
Emel'yanov, V. N. - 453, 743
Englin, B. A. - 611
Enikolopyan, N. S. - 555
Ermakov, Yu. I. - 913
Ernestova, L. S. - 639
Erofeev, B. V. - 698
Ershov, V. V. - 402, 463
Evdokimov, A. M. - 765
Evtushenko, N. P. - 861

F

Farafonov, V. V. - 307
Fedin, É. I. - 75, 632
Fedorov, L. A. - 520
Fedorov, V. E. - 86, 450
Fedorovich, A. D. - 233

Ferfil'fain, I. L. - 317
Filippova, V. G. - 152
Finkel'shtein, E. Sh. - 585, 630
Fodyukov, E. M. - 443
Fok, N. V. - 709
Fomichev, Yu. V. - 105
Freidlina, L. Kh. - 974
Freidlina, R. Kh. - 64, 125, 611
Frolov, V. A. - 489, 944
Frolov, V. M. - 225
Frunze, T. M. - 892

G

Gaeva, L. A. - 750
Gagarinskii, Yu. V. - 654
Gaisinskaya, O. M. - 574
Galitskova, N. P. - 265
Galuashvili, Zh. S. - 837
Galyaminskikh, V. D. - 433, 726
Gambaryan, N. P. - 747
Gavrilenko, V. V. - 551
Gel'bina, Zh. P. - 229
Gel'd, P. V. - 843
Gel'fer, A. P. - 317
Gerashchenko, Z. V. - 285
Gérbeléu, N. V. - 864
Gert, E. V. - 108
Gilyarov, V. A. - 525
Gimel'man, M. G. - 495
Ginzberg, A. G. - 672
Gitis, S. S. - 323, 691
Gladkov, V. S. - 197
Gladyshev, E. N. - 419
Glushkova, V. B. - 396
Gluzman, E. M. - 936
Gol'dman, A. M. - 763
Gol'dshleger, N. F. - 694
Gol'dshtein, I. P. - 372
Gol'tezen, É. É. - 691
Golodets, G. I. - 206
Golova, L. K. - 411
Gol'tezen, É. É. - 323
Golubeva, N. D. - 599
Gorelov, Yu. P. - 150
Gornstein, A. D. - 256
Gorskii, A. G. - 98
Goryazhev, N. S. - 197
Gostunskaya, I. V. - 197
Grandberg, K. I. - 11, 375, 781,
 816
Granovskii, Yu. V. - 334
Grebenzhchikov, R. G. - 466
Grechanovskii, V. A. - 820
Gribkova, P. N. - 729
Gribov, B. G. - 310, 386, 414, 479

Grigor'ev, A. I. - 4
Grigor'ev, N. A. - 611
Grigorovich, Z. I. - 759
Grigos, V. I. - 181
Grineva, L. P. - 115
Gritsenko, T. M. - 7
Gromov, P. S. - 830
Gromova, E. S. - 917
Grozhan, M. M. - 366, 469, 657
Grudtsyn, Yu. D. - 323, 691
Grushevenko, I. A. - 920, 996
Gubin, S. P. - 571
Gudkova, A. S. - 19, 200, 240
Gudriniets, É. Yu. - 471
Gulyaeva, N. A. - 259
Gurarii, L. I. - 523
Gurevich, A. L. - 953, 986
Gur'yanova, E. N. - 372, 837, 940
Guzman' I. Sh. - 165
Gvinter, L. I. - 974

I

Ibragimova, N. D. - 251, 281
Ievin'sh, A. F. - 471
Il'chenko, N. I. - 206
Il'ina, E. V. - 810
Ioffe, B. V. - 595
Ionov, B. M. - 508
Isaeva, L. S. - 678
Isaeva, Z. G. - 185, 251, 281,
 501, 879, 909
Isagulyants, V. I. - 254
Isakov, V. V. - 55, 990
Isakov, Ya. I. - 177
Isidorov, V. A. - 595
Itkina, Z. B. - 688
Ivanov, K. I. - 626
Ivanov, V. I. - 508, 568
Ivanovskaya, M. G. - 810
Izmail'skii, V. A. - 341, 651
Izyneev, A. A. - 892

K

Kabachnik, M. I. - 41, 525
Kabanov, V. A. - 703
Kabasheva, G. N. - 769
Kagan, Yu. S. - 317
Kalachev, A. I. - 532, 968
Kalinenko, R. A. - 38, 511
Kalinina, S. S. - 872
Kalinkin, M. I. - 269
Kalinnikov, V. T. - 753
Kalinin'sh, K. K. - 473
Kamalov, M. Z. - 565

Kamasheva, G. L. - 393
Kamernitskii, A. V. - 24
Kaminskii, A. Ya. - 323, 691
Kamneva, G. L. - 920, 996
Kamzolkin, V. V. - 217, 366, 469,
 657, 929
Karakanov, É. A. - 476, 706
Karakozova, E. I. - 555
Karapetyan, M. G. - 953, 986
Karaputadze, T. M. - 703
Karelin, A. I. - 759
Karmilova, L. V. - 555
Kartasheva, L. I. - 31
Kazanskaya, L. V. - 517
Kazanskii, B. A. - 27, 81, 105,
 197, 999
Kazarnovskii, I. A. - 845
Kazenas, E. K. - 867
Kazitsyna, L. A. - 389
Kaz'mina, É. M. - 416
Kessler, R. M. - 889
Khaikin, L. S. - 349
Khamitova, R. F. - 269
Khariton, Kh. Sh. - 547, 1005
Khatami, A. I. - 353, 849
Khidekel', M. L. - 283, 694
Khidzhazi, R. - 840
Khokhlov, A. S. - 668
Khotsyanova, T. L. - 122, 808
Khvostenko, V. I. - 128
Khvostik, G. M. - 408
Kil'disheva, O. V. - 331
Kilyakova, G. A. - 220
Kim, O. Ts. - 317
Kireev, V. V. - 814
Kirsh, Yu. É. - 72
Kir'yanov, K. V. - 588
Kiselev, V. V. - 536
Kislina, L. S. - 797
Klepikova, V. I. - 719
Klimov, E. S. - 95, 645, 788
Klyachko, Yu. A. - 489, 944
Klyuev, L. I. - 574
Klyueva, N. D. - 389
Knorre, D. G. - 769
Knunyants, I. L. - 331, 439, 747
Knyazeva, Z. V. - 562
Kobrakov, K. I. - 31
Kocherzhinskii, Yu. A. - 756
Kocheshkov, K. A. - 70, 112, 372,
 837, 940
Kochetkov, N. K. - 115, 278, 320,
 558, 778, 869, 926, 961
Kochetkova, N. S. - 214, 923
Kochurovskaya, G. G. - 936
Kokorin, A. I. - 72
Kolesov, V. P. - 210, 674

Kolninov, O. V. - 112
Kolosov, M. N. - 953, 986
Kol'yakova, G. M. - 419
Komalenkova, N. G. - 642
Komina, G. P. - 823
Komissarova, L. N. - 491, 872
Kondratenkov, G. P. - 408, 719
Konoplev, V. N. - 363
Konovalov, A. I. - 167, 393, 422
Koptyug, V. A. - 685
Korelev, V. K. - 660
Koridze, A. A. - 571
Kormer, V. A. - 719
Korochuk, S. I. - 511
Korolev, B. A. - 525
Korostova, S. E. - 591
Korshak, V. V. - 35, 136, 222, 285,
 514, 532, 729, 814, 892, 968
Korshak, Yu. V. - 859
Koshevnik, A. Yu. - 411
Kost, A. A. - 558
Kotlin, V. P. - 98
Koton, M. M. - 473
Kovalenko, R. L. - 334
Kovba, L. M. - 636
Kovner, O. Ya. - 233
Kozerenko, S. P. - 654
Kozlov, N. S. - 994
Kozlov, P. V. - 108
Kozminskaya, T. K. - 300
Kozyrkin, B. L. - 386, 414, 588
Kraeva, A. G. - 118, 785, 885
Krasnova, S. G. - 204
Krentsel', B. A. - 61, 411, 933
Kreshkov, A. P. - 58
Kritskaya, I. I. - 139
Krivospitskii, A. D. - 386
Kropacheva, E. N. - 776
Krynnika, Yu. K. - 923
Krzhizhanovskaya, V. A. - 396
Kubasov, A. A. - 460
Kucherov, V. F. - 248, 272, 293,
 345
Kuchin, A. V. - 356
Kudryashov, L. I. - 115, 778, 869
 926, 961
Kudryavtsev, V. V. - 473
Kukes, S. G. - 463
Kulikovskaya, T. N. - 626
Kulyabko, O. M. - 24
Kurilenko, A. I. - 337
Kursanov, D. N. - 75, 269, 353
 562, 666, 672, 724
Kusov, Yu. Yu. - 773
Kuznetsov, V. V. - 78
Kuz'min, G. V. - 78
Kuznetsov, I. I. - 89

Kuznetsov, V. A. - 599
Kuzovkina, M. É. - 996
Kvasov, B. A. - 571, 632
Kyandzhetsian, R. A. - 808

L

Landa, L. I. - 495
Lapidus, A. L. - 92
Lapitskii, Yu. A. - 366, 469, 657
Latyaeva, V. N. - 150, 220, 805
Lavrov, N. V. - 823
Lavrovskii, K. P. - 38, 511
Lavrukhin, B. D. - 498, 876, 950
Legasov, V. A. - 542
Leites, L. A. - 765
Lelyak, G. F. - 147
Lemenovskii, D. A. - 11, 375, 781
Leonidov, V. Ya. - 574
Leonov, I. D. - 143
Leont'eva, E. V. - 313, 977, 1009
Liberman, A. L. - 27
Lin'kova, M. G. - 331
Linzina, O. V. - 68
Lipatova, L. P. - 90
Lipkin, N. P. - 845
Lippmaa, É. T. - 313, 977
Lisichkin, G. V. - 529
Litvinenko, L. M. - 229
Litvinov, I. A. - 170
Lobach, M. L. - 719
Lobova, O. I. - 651
Lomonosov, M. V. - 827, 964
Lomova, L. M. - 256
Lorens, L. N. - 678
Loskutov, M. P. - 393
Lovtsova, A. N. - 1009
Lunin, A. F. - 307, 608
Lunin, V. V. - 529
Lutsenko, I. F. - 265
Lyubchenko, Yu. A. - 701
Lyubinskaia, O. V. - 272, 293

M

Magdesieva, N. N. - 808
Makarov, E. F. - 833
Makhlis, L. A. - 297
Maksimov, Yu. V. - 511, 799
Maletin, Yu. A. - 244
Malinovskii, T. L. - 21, 495, 763
Mal'kova, G. Ya. - 805
Mal'tseva, L. E. - 38
Mal'tseva, N. G. - 368
Mambetov, U. A. - 936
Mamulina, N. S. - 406
Mannannikov, B. P. - 726

- Mardaleishvili, R. E. - 425
 Mareev, Yu. M. - 618
 Mar'in, V. P. - 310
 Martynov, B. L. - 520
 Martynova, O. I. - 173
 Mar'yash, L. L. - 905
 Mastafanova, L. L. - 983
 Mastryukova, T. A. - 41
 Matevosyan, R. O. - 433, 726
 Matochkin, V. S. - 532
 Matrosov, E. L. - 41
 Matskevich, T. N. - 602
 Matyushin, Yu. N. - 9
 Mazentseva, G. A. - 750
 Mazus, M. D. - 21
 Medvedev, V. A. - 574
 Melent'eva, T. A. - 517
 Mel'nikov, M. Ya. - 709
 Mel'nikov, N. N. - 349
 Mel'nikova, T. G. - 200
 Mentser, A. N. - 479
 Merzhanov, A. G. - 429
 Mikhailov, B. M. - 45, 300, 446,
 539, 712, 895
 Mikhailov, N. V. - 170
 Mikhailova, E. M. - 740
 Mikheeva, V. I. - 363
 Mikul'shina, V. V. - 605
 Millaresi, E. E. - 578
 Mil'vetskaya, E. M. - 233
 Minachev, Kh. M. - 177
 Minkin, V. I. - 536
 Mironov, V. A. - 233
 Mironov, V. F. - 181, 852
 Miroshnichenko, I. V. - 778, 869,
 926, 961
 Mochalov, S. S. - 902
 Moiseenkov, A. M. - 189
 Moiseev, I. I. - 1, 694
 Moiseev, V. V. - 582
 Monetina, L. A. - 648
 Morgunova, M. M. - 58
 Moskalenko, L. N. - 802
 Mukhametzyanova, É. Kh. - 504
 Mukhmenev, É. T. - 457, 523
 Mushkarinova, V. N. - 670
 Mysov, E. I. - 75
- N**
- Nalbandyan, A. B. - 436, 482
 Nametkin, N. S. - 31, 152, 379,
 585, 630, 660, 920, 996
 Naryshkova, N. A. - 19
 Nasonovskii, I. S. - 304
 Naumov, V. A. - 237, 259, 457,
 879
 Naumov, Yu. L. - 341
- Nazarov, V. B. - 737
 Nazarova, I. L. - 737
 Nazarova, T. L. - 608
 Nedbai, V. K. - 663
 Nedoinova, L. A. - 820
 Nefedov, V. A. - 155
 Nefedov, V. I. - 78
 Nefedova, M. N. - 353, 849
 Negrebetskii, V. V. - 895
 Nekrasov, Yu. S. - 678
 Nemeryuk, M. P. - 681
 Nemirovskaya, I. B. - 672
 Nesmeyanov, A. N. - 11, 49, 86, 122,
 139, 214, 375, 450, 632, 678, 781,
 816, 899, 923
 Nesmeyanov, Nik. A. - 605
 Nesmeyanova, O. A. - 999
 Nifant'ev, É. E. - 262, 304
 Nikinta, M. P. - 193
 Nikitin, I. V. - 778, 869, 926, 961
 Nikolaev, N. S. - 574
 Nikolenko, L. N. - 542
 Nikol'skii, B. P. - 51
 Nivorozhkin, L. E. - 536
 Nogina, O. V. - 632
 Nosova, V. V. - 716
 Novak, F. I. - 929
 Novik, F. S. - 827, 964
 Novikova, Z. S. - 265
 Novoselova, A. V. - 4, 759
- O**
- Ogenko, V. M. - 791
 Ogorodnikova, N. A. - 571
 Okhlobystin, O. Yu. - 544
 Okulevich, P. O. - 514
 Oleinik, D. M. - 275
 Olekhovich, L. P. - 536
 Olfer'eva, T. G. - 27
 Ol'shevskii, M. V. - 867
 Omarkulov, T. - 565
 Omel'chenko, V. N. - 953
 Onishchenko, T. A. - 611
 Onoprienko, V. V. - 953, 986
 Oreshkina, G. A. - 933
 Orlova, T. L. - 578
 Oshitok, G. I. - 55, 990
 Ovcharenko, F. D. - 833
- P**
- Pakhomov, V. L. - 740
 Pancratov, V. A. - 35
 Panfilova, E. S. - 626
 Panov, E. M. - 112
 Paponov, V. D. - 830
- Parenago, L. A. - 366
 Parnes, Z. N. - 269, 562
 Pashinkin, A. S. - 479
 Pastors, P. V. - 471
 Pastukhova, V. L. - 24
 Patrushin, Yu. A. - 776
 Paushkin, Ya. M. - 256, 307, 555,
 608
 Pavlov, V. V. - 791
 Pavlova, S. A. - 729, 968
 Pechurina, S. Ya. - 181
 Peisakhova, M. E. - 372
 Pekhk, T. L. - 313, 977
 Pepekin, V. I. - 9
 Perchenko, V. N. - 920, 996
 Perelyaeva, L. A. - 726
 Peresleni, E. M. - 681
 Perevalova, É. G. - 11, 375, 781,
 816
 Perfilov, Yu. L. - 514
 Pertsovskii, A. L. - 102
 Pervikova, V. N. - 118, 785, 885
 Pervov, V. S. - 574
 Petrenko, G. I. - 953
 Petrosyan, I. V. - 200, 240
 Petrov, Al. A. - 217
 Petrov, K. I. - 872
 Petrov, L. A. - 726
 Petrova, R. G. - 125
 Petrovskii, P. V. - 41, 632
 Petrukhin, O. M. - 485
 Piotrovskii, V. K. - 882
 Pisarskaya, T. N. - 737
 Plachinda, A. S. - 833
 Plakhotnik, V. A. - 698
 Poddubnyi, I. Ya. - 408, 820
 Pogodaeva, T. K. - 591
 Pogorelko, V. Z. - 733
 Pogorelyi, V. K. - 399
 Polikarpov, V. A. - 994
 Poletaev, V. A. - 379
 Polinin, V. L. - 81
 Polishchuk, S. A. - 654
 Poluéktov, I. T. - 582
 Polyakova, A. A. - 275
 Pomogailo, A. D. - 143, 936
 Popa, É. V. - 21
 Popov, A. F. - 229
 Popov, A. M. - 630
 Popov, I. A. - 7
 Popovich, G. A. - 547, 1005
 Popravko, S. A. - 986
 Porai-Koshits, M. A. - 78, 508,
 568
 Poroshin, K. T. - 905
 Portnykh, E. B. - 585
 Poselenov, A. I. - 189

Pos'shaikov, V. I. - 118
Posvol'skii, M. V. - 51
Posypaiko, V. L. - 359, 785, 885
Potapov, V. M. - 147, 1002
Potsyute, N. K. - 331
Povodyreva, I. P. - 185
Pozdnyakova, S. A. - 173
Pravednikov, A. N. - 957
Preobrazhenskaya, M. N. - 15, 27
Proicheva, A.G. - 622
Prokhorova, L. V. - 84
Prokof'ev, A. I. - 402
Prokof'ev, A. K. - 544
Prokof'ev, E. P. - 712
Prokof'ev, M. A. - 663, 716, 810,
 917
Prokop'eva, I. A. - 433
Proskina, N. N. - 495
Prozorovskaya, Z. N. - 491, 872
Puchin, A. G. - 35
Puchkova, V. V. - 940
Pudovik, M. A. - 237, 259
Pyatnitskii, Yu. I. - 206

R

Rabinovich, I. B. - 419, 588
Rad'kova, O. M. - 852
Raevskaya, M. V. - 827, 964
Rafikov, S. R. - 128, 356, 968
Rakhmankulov, D. L. - 254
Rasteikene, L. P. - 331
Rasuleva, D. Kh. - 463
Ratner, D. M. - 555
Ratner, V. V. - 501
Razuyaev, G. A. - 68, 150, 220,
 310, 593, 645, 788, 805
Reshetova, L. N. - 4
Reutov, O. A. - 19, 200, 240, 313,
 383, 489, 605, 882, 944, 977,
 1009
Rodé, V. V. - 729
Roitburd, G. V. - 345
Romm, L. P. - 837
Rozantsev, É. G. - 368, 743
Rozenberg, V. I. - 882
Rozengart, M. I. - 81
Ruban, E. L. - 406
Ruchkin, V.E. - 578
Rudashevskaya, T. Yu. - 999
Rudenko, A. P. - 460
Rudman, E. V. - 453, 743
Rudzit, É. A. - 24
Rukasov, A. F. - 551
Rukhadze, E. G. - 244
Rusanov, A. L. - 729
Ryazonova, O. D. - 446

Rybakov, V. B. - 508
Rybakova, L. F. - 112
Ryumtsev, E. L. - 61

S
Saat-sazov, V. V. - 808
Sachyan, G. A. - 436, 482
Safonova, T. S. - 681
Salamatin, B. A. - 588
Salazkin, S. N. - 136
Salimgareeva, I. M. - 356
Samartseva, S. A. - 90
Samitov, Yu. Yu. - 618
Samsonova, V. G. - 892
Samuilov, Ya. D. - 422
Sanaeva, É. P. - 593
Sanin, P. I. - 275, 317
Sapunov, V. N. - 248
Satsko, N. G. - 1
Savel'eva, L. A. - 15
Savich, I. A. - 602
Savinova, V. K. - 626
Sazonova, V.A. - 49, 86, 450, 899
Sedova, N. N. - 49, 899
Sekerina, L. F. - 685
Semakhina, N. I. - 909
Semenenko, K. N. - 599
Semenov, O.B. - 152
Semenova, M. G. - 626
Semenovskii, A. V. - 272, 293, 345
Semin, G. K. - 122
Sen'kov, G. M. - 994
Serezhkin, V. N. - 636
Serezhkina, L. B. - 759
Sergeev, G. B. - 917
Setkina, V. N. - 75, 353, 672, 849,
 980
Shabarov, Yu. S. - 158, 902
Shabarova, Z. A. - 663, 716, 810,
 917
Shagidullin, R. R. - 90, 185
Shaidulin, S. A. - 457
Shal'nova, K. G. - 310
Shalygina, O. D. - 406
Shamovskii, G. G. - 769
Shanter, L. A. - 602
Shanter, Yu. A. - 602
Shapiro, A. B. - 743
Sharaev, O. K. - 165
Shashkov, A. S. - 585
Shatkina, T. N. - 313, 977, 1009
Shchegolev, A. A. - 345
Shchegolev, I. F. - 283
Shechetkin, A. A. - 325
Shcherbakova, L. G. - 396
Shcherbinin, V. V. - 852

Sheinker, Yu. N. - 681, 983
Sheludyakov, V. D. - 852
Shepeleva, E. S. - 275, 317
Sherman, F. B. - 285
Shermergor, I. M. - 504
Shestakova, T. V. - 491
Sheveikin, G. P. - 843
Sheverdina, N. I. - 70, 837
Shibaev, V. K. - 320
Shibaev, V. N. - 278, 558
Shibnev, V. A. - 905
Shifrina, R. R. - 940
Shirvinskaya, A. K. - 161
Shitova, V. I. - 466
Shtensteinman, A. A. - 694
Shtennikova, I. N. - 61
Shubina, T. N. - 769
Shustov, L. D. - 542
Shutova, K. I. - 668
Shvachkin, Yu. A. - 256
Sigula, N. I. - 654
Simonov, Yu. A. - 495, 763
Sinitsyn, N. M. - 688, 772
Sinitsyna, G. M. - 443
Sirotkina, E. L. - 122
Siryat-skaya, V. N. - 181
Sladkova, T. A. - 310
Slepushkin, V. V. - 125
Smirnov, S. P. - 9
Smirnov, V. D. - 810
Smirnov, V. N. - 446, 712
Smit, V. A. - 272, 293, 345
Smorodinskaya, Zh. Ya. - 425
Smyslova, E. L. - 781
Sokolov, S. P. - 685
Sokolov, V. N. - 408
Sokolova, N. I. - 663, 716
Sokolovskaya, E. M. - 827, 964
Sokol'skaya, A. M. - 565
Sokol'skii, D. V. - 639, 936
Sokova, K. M. - 217
Solodovnikov, S. P. - 402, 463
Solomonov, B. N. - 167
Solov'eva, G. I. - 473
Solov'eva, L. D. - 147
Sorokina, R. S. - 112
Sorokina, S. F. - 262
Sosin, S. L. - 222
Spitkovskii, D. M. - 830
Spitsyn, V. I. - 491, 840
Spitsyn, Vikt. I. - 334, 602, 636,
 872
Spivakov, B. Ya. - 485
Stanko, V. I. - 968
Staskevich, N. L. - 823
Stepanenko, B. N. - 84, 416
Stepanova, I. P. - 158, 902

Stepanova, R. N. - 283
Sterenzat, D. E. - 776
Sterlin, S. R. - 520
Stolyarov, B. V. - 595
Stotskaya, L. L. - 933
Struchkov, M. G. - 489, 944
Stryukov, V. B. - 368
Stukan, R. A. - 555
Stumbrevichyute, Z. A. - 520
Subbotin, O. A. - 158
Suerbaev, Kh. A. - 41
Sukhoverkhov, V. F. - 855
Suvorov, N. N. - 15, 406
Suzdalev, I. P. - 799, 833
Svechnikov, V. N. - 756
Svistunov, V. S. - 950
Syrkin, Ya. K. - 1
Syrtsova, L. A. - 737

T

Talyzenkov, Yu. A. - 929
Talyzenkova, G. P. - 244
Tamm, N. S. - 759
Tarakanova, E. E. - 443
Tarakhovskii, M. L. - 317
Tarasevich, Yu. I. - 833
Tatarkina, A. A. - 827
Tatarkina, A. L. - 964
Telegin, G. F. - 814
Teleshov, É. N. - 957
Tel'noi, V. I. - 588
Terekhova, G. M. - 170
Tertykh, V. A. - 791
Teterina, M. P. - 225, 859
Tikhonina, N. A. - 525
Timoshenko, Ya. G. - 317
Tinyakova, E. I. - 165
Tishchenko, A. I. - 155
Todres, Z. V. - 666
Tolstikov, G. A. - 128, 356
Tomaschchik, A. K. - 133
Topchiev, D. A. - 703
Trailina, E. P. - 334, 602
Travkin, V. F. - 688
Trembovler, V. N. - 980
Trofimov, B. A. - 591, 971
Trofimov, V. I. - 155
Trunov, V. K. - 636
Tsirlin, L. L. - 51
Tsvetkov, V. N. - 61
Tsvetkov, Yu. V. - 867
Tsryapkin, V. A. - 269, 562
Tulyakova, T. F. - 349
Turchin, K. F. - 15, 983
Tyaglov, B. V. - 17

U

Ubozhenko, O. D. - 753
Uteniyazov, K. U. - 19
Uvarova, N. I. - 55, 990

V

Vachugova, L. I. - 90
Vagabov, M. V. - 706
Vainberg, A. M. - 923, 678
Valetskii, P. M. - 532
Valovoi, V. A. - 595
Vardanyan, L. M. - 859
Vasilenko, N. G. - 498
Vasil'ev, A. F. - 349
Vasil'ev, V. A. - 719
Vasil'eva, G. A. - 805
Vasina, L. G. - 173
Vasina, N. A. - 359
Vasnev, V. A. - 514
Vasserberg, V. É. - 297
Vasserman, I. M. - 193
Vdovin, V. M. - 379, 585, 630
Vengerova, N. A. - 72
Vereshchagin, A. N. - 251, 648
Vesnovskaya, G. I. - 670
Viktorova, E. A. - 476, 706
Viktorova, I. M. - 837
Vilkov, L. V. - 349
Vinnik, M. I. - 797
Vinograd, L. Kh. - 406
Vinogradov, E. E. - 740
Vinogradova, S. V. - 35, 136, 285,
 514, 532, 968
Vinogradova, V. S. - 618
Vishnyakova, T. P. - 555
Vlasov, V. G. - 105
Vlasova, I. V. - 729
Vlasova, T. F. - 681
Vlodavets, I. N. - 443
Vol'eva, V. B. - 383
Vol'kenau, N. A. - 122
Volkov, S. V. - 861
Vollershtein, E. L. - 131
Volod'kin, A. A. - 402
Volod'kin, A. I. - 463
Vorob'ev, V. N. - 210, 674
Voronkov, M. G. - 591, 971
Voronov, M. A. - 536
Vozzhennikov, V. M. - 112
Vul'fson, N. S. - 155
Vul'fson, S. G. - 251, 648
Vyazankin, N. S. - 68, 419
Vygodskaya, L. V. - 469

Vygodskii, Ya. S. - 285
Vylegzhannin, O. N. - 971
Vyhinskaya, L. L. - 150, 805

Y

Yabko, Ya. M. - 443
Yakhontov, L. N. - 983
Yakovlev, I. L. - 289, 328
Yampol'skii, Yu. P. - 511, 799
Yarym-Agaev, Yu. N. - 946
Yatsimirskii, K. B. - 861
Yavorskii, B. M. - 214, 980
Yufit, S. S. - 248
Yunosheva, N. I. - 562
Yupko, L. M. - 756
Yurasova, T. L. - 542
Yur'ev, V. P. - 128, 356
Yusupova, L. S. - 840

Z

Zachernyuk, A. B. - 498, 876
Zabelaite, V. A. - 331
Zainulin, Yu. G. - 843
Zaitsev, V. P. - 1002
Zakharkin, L. L. - 551
Zakharov, R. G. - 325
Zakharov, V. A. - 913
Zakharova, I. A. - 78
Zamaraev, K. I. - 72
Zavallishina, A. I. - 262
Zavin, B. G. - 765, 950
Zelenay, Yu. V. - 532
Zelenina, L. S. - 328
Zelentsov, V. V. - 753, 864
Zemlyanichenko, M. A. - 70
Zenin, S. V. - 917
Zen'ko, R. I. - 102
Zhakovskaya, V. P. - 626
Zhdanov, A. A. - 765, 889
Zhdanov, Yu. A. - 536
Zhdanova, V. I. - 443
Zheligovskaya, N. N. - 840
Zhigach, A. F. - 181
Zhinkin, D. Ya. - 58
Zhuravleva, I. V. - 968
Zinov'ev, K. V. - 479
Zlotskii, S. S. - 254
Zoletov, Yu. A. - 485
Zorina, E. N. - 414
Zubritskaya, D. I. - 701
Zvonkova, Z. V. - 112
Zyablikova, T. A. - 504

TABLES OF CONTENTS

DOKLADY CHEMISTRY

Volumes 202-207, 1972

(A translation of the Chemistry section of Doklady Akademii Nauk SSSR)

Volume 202, Numbers 1-3 January, 1972

Engl./Russ.

Mechanism of the Oxidation of π -Allyl Complexes of Palladium by p-Benzoquinone in Aqueous Chloride Solutions—A. P. Belov, N. G. Satsko, I. I. Moiseev, and Ya. K. Syrkin	1	81
Preparation and Properties of Beryllium Dioxyhexaacetate, $Be_5O_2(OOCCH_3)_6$ —A. I. Grigor'ev, L. N. Reshetova, and A. V. Novoselova	4	85
The Effect of Distribution of Intermolecular Interactions on Certain Properties of Polymers—T. M. Gritsenko and I. A. Popov	7	88
Dissociation Energy of the N→O Bond in Benzofurazan N-Oxide—V. I. Pepekin, Yu. N. Matyushin, A. G. Feshchenko, S. P. Smirnov, and A. Ya. Apin	9	91
Complexes of Ferrocenyl(Triphenylphosphine)Gold with Monovalent Gold Salts—É. G. Perevalova, D. A. Lemenovskii, K. I. Grandberg, and A. N. Nesmeyanov	11	93
Synthesis and Properties of Diastereomeric Racemic 1-(Indol-3-yl)glycerins—M. N. Preobrazhenskaya, É. S. Belen'kaya, L. A. Savel'eva, K. F. Turchin, E. G. Balashova, and N. N. Suvorov	15	97
Nucleophilic Substitution of Bromine for Hydroxyl in 1-Aminomethylcyclohexanol—O. A. Reutov, A. S. Gudkova, K. U. Uteniyazov, and N. A. Naryshkova	19	101
Configuration of Diethylenetriamine in Complexes of Cobalt (III)—A. V. Ablov, M. D. Mazus, É. V. Popa, T. I. Malinovskii, and V. N. Biyushkin	21	333
Synthesis and Biological Activity of 17α -(1',3'-Butynenyl)- Δ^4 -androsten- 17β -ol-3-one—A. A. Akhrem, A. V. Kamernitskii, O. M. Kulyabko, V. I. Pastukhova, and É. A. Rudzit	24	336
Two Mechanisms of the Hydrogenolysis of Cyclopentane Hydrocarbons by a Sextet-Doublet on Pt/C and by A Doublet on Rh/C and Ir/C—O. V. Bragin, T. G. Olfer'eva, A. V. Preobrazhenskii, A. L. Liberman, and B. A. Kazanskii	27	339
Disproportionation of Silicon Hydrides on Platinum Catalysts—K. I. Kobrakov, T. I. Chernysheva, L. I. Kartasheva, and N. S. Nametkin	31	343
Polycyclotrimerization of Aryl Cyanates and Investigation of the Properties of the Polymers—V. V. Korshak, S. V. Vinogradova, V. A. Pancratov, and A. G. Puchin .	35	347
Decomposition of Ethylene in the Presence of Radicals—L. E. Mal'tseva, R. A. Kalinenko, and K. P. Lavrovskii	38	351
Acidity and Tautomerism of Certain β -Ketophosphonium Salts—T. A. Mastryukova, Kh. A. Suerbaev, P. V. Petrovskii, E. I. Matrosov, and M. I. Kabachnik	41	354
Organoboron Compounds. Esters of Cyclopentadienylboric Acid—B. M. Mikhailov, T. K. Baryshnikova, and V. S. Bogdanov	45	358
Cyclopentadienylmanganese-tricarbonylcopper—A. N. Nesmeyanov, V. A. Sazonova, and N. N. Sedova	49	362
Chemical Induction and Pseudocatalysis—B. P. Nikol'skii, M. V. Posvol'skii, and I. I. Tsirlin	51	364
Synthesis of Betulin Glycosides—N. I. Uvarova, G. I. Oshitok, V. V. Isakov, A. K. Dzizenko, and G. B. Elyakov	55	368

Investigation of the Electronic Effects of Substituents in Some Aminosilanes by N ¹⁴ and H ¹ NMR Spectroscopy -K. A. Andrianov, V. F. Andronov, V. A. Drozdov, D. Ya. Zhinkin, A. P. Kreshkov, and M. M. Morgunova	58	585
Reactivity and Lifetimes of Macroradicals during Polymerization of the Phenylmethacrylic Ester of p-Cetoxybenzoic Acid-A. A. Baturin, Yu. B. Amerik, B. A. Krentsel', V. N. Tsvetkov, I. N. Shtennikova, and E. I. Ryumtsev	61	588
Telomerization of Unsaturated Compounds with Pentachloroethane and the Synthesis of Polychlorinated Dienes-A. B. Belyavskii, E. Ts. Chukovskaya, and R. Kh. Freidlina	64	589
Electron-Transfer Reactions of Organometallic Compounds with Two Different Metals -V. T. Bychkov, N. S. Vyazankin, G. A. Abakumov, O. V. Linzina, and G. A. Razuvayev	68	593
Mettallation with Organocalcium Compounds -M. A. Zemlyanichenko, N. I. Sheverdina, and K. A. Kocheshkov	70	595
Study of the Structure of Complexes of Cu(II) with Poly-4-vinylpyridine Derivatives by ESR -A. I. Kokorin, N. A. Vengerova, Yu. É. Kirsh, and K. I. Zamaraev	72	597
The Peculiar Effect of a Methoxycarbonyl Group in the Benzenedicarbonyl(triphenylphosphine)chromium System on the Rate of Hydrogen Exchange with an Acidic Hydrogen-D. N. Kursanov, V. N. Setkina, N. K. Baranetskaya, É. I. Fedin, E. I. Mysov, and K. N. Anisimov	75	601
Investigation of Rhenium Complexes with Nitrogen-Containing Ligands by x-Ray Photoelectron Spectroscopy -V. I. Nefedov, M. A. Porai-Koshits, I. A. Zakharova, and M. E. Dyatkina .	78	605
Catalytic Cyclization of 1,5-Hexadiene in the Presence of Aluminum Oxide-M. I. Rozengart, V. L. Polinin, V. G. Bryukhanov, and B.A. Kazanskii	81	608
Synthesis of O-Glycosides of Chloro and Nitro Derivatives of Salicylanilide -B. N. Stepanenko and L. V. Prokhorova	84	611
Mechanism of the Photolysis of α -Pyridylferrocene-V. E. Fedorov, V. A. Sazonova, and A. N. Nesmeyanov	86	613
Ability of the P=S Group to Form Hydrogen Bonds-R. R. Shagidullin, I. P. Lipatova, L. I. Vachugova, and S. A. Samartseva	90	617
Conversions of Isopropenylcyclobutane and Isopropylidenecyclobutane in the Presence of Aluminosilicate Catalysts-Ya. T. Éidus, Kh. I. Areshidze, A. L. Lapidus, and A. V. Dolidze	92	620

Volume 202, Numbers 4-6

February, 1972

Paramagnetic Complexes in Reactions of Certain o-Quinones with Aluminum and Gallium Halides-G. A. Abakumov and E. S. Klimov	95	827
Identification of the Octahedral Complex AmCl ₆ ⁵⁻ according to the Absorption Spectra of Am(III) in Ethanol Solutions of HCl-Yu. A. Barbanel', V. P. Kotlin, and A. G. Gorskii	98	830
Nature of the Products of Elimination of Hydrogen Chloride from Silvestrene Dihydrochloride -I. I. Bardyshev, R. I. Zen'ko, and A. L. Pertsovskii	102	834
Aromatization of 2,5-Dimethylhexane in the Presence of an Aluminoplatinum Catalyst in a Pulsed System-V. G. Vlasov, E. P. Barkar', Yu. V. Fomichev, and B. A. Kazanskii	105	837
Crystallization of Partially Substituted Cellulose Acetates-P. V. Kozlov and E. V. Gert	108	840
Influence of Quinone Acceptors on the Photoemf of Fluorine-Containing Compounds with Conjugated Bonds-O. V. Kolnинов, V. M. Vozzhenников, Z. V. Zvonkova, L. F. Rybakova, R. S. Sorokina, E. M. Panov, and K. A. Kocheshkov	112	844
1,6-Glucodialdose - One of the Radiolysis Products of D-Glucose-6-phosphate -N. K. Kochetkov, L. I. Kudryashov, M. A. Chlenov, and L. P. Grineva	115	847

Method of Division (Triangulation) of Composition Diagrams of Multicomponent Mutual Systems with Complex Compounds Using Graphs and an Electronic Computer —A. G. Kraeva, L. S. Davydova, V. N. Pervikova, V. I. Pos'shaiko, and E. A. Alekseeva	118	850
Nuclear Quadrupole Resonance Spectra of Chlorosubstituted Arene-Cyclopentadienyl Cations of Iron—A. N. Nesmeyanov, G. K. Semin, T. L. Khotsyanova, E. V. Bryukhova, N. A. Vol'kenau, and E. I. Sirotkina	122	854
Homolytic Cyclization of Unsaturated Thiols Containing the α,α -Dichlorovinyl Group —R. G. Petrova, V. V. Slepushkin, and R. Kh. Freidlina	125	857
Mass Spectrometry of Positive and Negative Ions of Polyene Hydrocarbons —V. I. Khvostenko, V. P. Yur'ev, I. Kh. Aminev, G. A. Tolstikov, and S. R. Rafikov	128	861
Relative Reactivities of Butadiene and Styrene in Copolymerization Catalyzed by Transition Metal Compounds and the Microstructure of the Copolymer Chain—E. L. Vollershtein, S. I. Beilin, and B. A. Dolgoplosk	131	1071
Reaction of Triphenylverdazyl and Diphenylpicrylhydrazyl Radicals with Lewis Acids —G. F. Dvorko, L. S. Degtyarev, and A. K. Tomashchik	133	1073
Effect of State of Aggregation on the Thermal Stability of Polyarylates—V. V. Korshak, S. V. Vinogradova, V. G. Danilov, and S. N. Salazkin	136	1076
Ability of Iron to Coordinate with Portions of Aromatic Rings—A. N. Nesmeyanov and I. I. Kritskaya	139	1079
Correlations among Nitriles and Their Complexes with Variable Valence Metal Halides —A. D. Pomogailo and I. D. Leonov	143	1083
Optically Active 4-Methyl-3,4-dihydro-1-isoquinolone—V. M. Potapov, V. M. Dem'yanovich, L. D. Solov'eva, and G. F. Lelyak	147	1087
Reactions of Dicyclopentadienyldiphenyltitanium with Phenyl Derivatives of Lithium, Zinc, Cadmium, and Mercury—G. A. Razuvayev, V. N. Latyaeva, L. I. Vyshinskaya, T. P. Denisova, and Yu. P. Gorelov	150	1090
Determination of the Molecular Structure of Random Copolymers of Vinyltrimethylsilane with Styrene—O. B. Semenov, S. G. Durgar'yan, V. G. Filippova, and N. S. Nametkin	152	1093
Structure of Bitetralyls Formed during Liquid-Phase Catalytic Oxidation of Tetralin —A. I. Tishchenko, N. S. Vul'fson, V. A. Nefedov, and V. I. Trofimov	155	1097
Isomerization of 1,2-Diarylcylopropanes under the Influence of Acidic Reagents —Yu. S. Shabarov, I. P. Stepanova, and O. A. Subbotin	158	1100
Investigation of the System $\text{Ca}_2\text{SiO}_4-\text{Ca}_2\text{GeO}_4-\text{H}_2\text{O}$ over the Temperature Range from 120 to 260°C—A. K. Shirvinskaya and I. A. Bondar'	161	1103
Polymerization of Butadiene and Other Monomers Catalyzed by Benzyl Derivatives of Titanium—I. Sh. Guzman, O. K. Sharaev, E. I. Tinyakova, and B. A. Dolgoplosk	165	1329
Stability of Diels-Alder Adducts of 9,10-Dimethoxyanthracene with Cyanoethylenes —A. I. Konovalov and B. N. Solomonov	167	1331
Structural Changes in Regenerated Cellulose in the Alkaline Hydrolysis of Its Xanthates in Block Form—I. A. Litvinov, N. V. Mikhailov, and G. M. Terekhova	170	1334
Determination of the Dissociation Constants of the Ion Pairs CaOH^+ , CaHCO_3^+ , and CaCO_3^0 over the Temperature Range from 22 to 98°C—O. I. Martynova, L. G. Vasina, and S. A. Pozdnyakova	173	1337
Effect of Carbon Dioxide on the Properties of Zeolite Catalysts—Kh. M. Minachev and Ya. I. Isakov	177	1341
A New Route for the Preparation of Tin-Containing Carboranes—V. F. Mironov, S. Ya. Pechurina, V. I. Grigos, A. F. Zhigach, and V. N. Siryat-skaya	181	1345
Conformation of 4-Caranols and 3-Caranon-4-ols—R. R. Shagidullin, Z. G. Isaeva, I. P. Povodyreva, and R. R. D'yakonova	185	1349

Volume 203, Numbers 1-3

March, 1972

Approach to the Synthesis of 8-Azaestranes on the Basis of Benzo[a]cycloalkano[f]quinolysines — A. A. Akhrem, A. M. Moiseenkov, and A. I. Poselenov	189	95
Nonstoichiometry of Vitreous Silica — I. M. Vasserman, M. P. Nikitina, and A. V. Amosov	193	99
Dehydrocyclization of n-Hexane in the Presence of Rhodium Applied on Aluminum Oxides — I. V. Gostinskaya, N. S. Goryachev, V. S. Gladkov, and B. A. Kazanskii.	197	103
Deamination of Hydrobromides of 2(1)-Bromo-1(2)-aminobutanes — A. S. Gudkova, I. V. Petrosyan, T. G. Mel'nikova, and O. A. Reutov	200	106
Saturated Vapor Pressure and Temperature of the Triple Point of Tricyclopentadienyls of the Rare Earth Elements of the Cerium Subgroup — G. Devyatkh, G. K. Borisov, and S. G. Krasnova	204	110
Some Principles of Heterogeneous-Homogeneous Oxidation of Hydrogen on Oxide Catalysts — N. I. Il'chenko, G. I. Golodets, and Yu. I. Pyatnitskii	206	112
Heat Capacity in the Interval 12-300°K and Phase Transitions of Certain Chloroderivatives of 1,1,1-Trifluoropropane — V. P. Kolesov and V. N. Vorob'ev	210	116
Electronic Absorption Spectra of Cobaltiticinium Salts — A. N. Nesmeyanov, B. M. Yavorskii, N. S. Kochetkova, and E. I. Afrina	214	120
Stereospecific Composition of Olefins Formed in the Pyrolysis of Acetate and the Dehydration of Secondary Alcohols — Al. A. Petrov, K. M. Sokova, V. V. Kamzolkin, and A. N. Bashkirov	217	123
Pentafluorophenyltitanium Trichloride — G. A. Razuvayev, V. N. Latyaeva, and G. A. Kilyakova	220	126
Investigation of the Relative Reactivity of Diphenylsilane and Its Derivatives in the Reaction with Di-tert-butyl Peroxide — S. L. Sosin, V. P. Alekseeva, and V. V. Korshak	222	129
Study of the Copolymerization of Butadiene with Cyclohexadiene under the Influence of Systems of the π-Allyl Type — G. M. Chernenko, S. I. Beilin, B. A. Dolgoplosk, M. P. Teterina, and V. M. Frolov	225	133
Structure and Reactivity of Aliphatic Amines — L. M. Litvinenko, A. F. Popov, and Zh. P. Gel'bina	229	343
Thermal Conversions of Bicyclo-[4.1.0]-hept-2-ene — V. A. Mironov, A. D. Fedorovich, E. M. Mil'vitskaya, O. Ya. Kovner, and A. A. Akhrem	233	347
Investigation of the Structure of N-Methyl-2-chloro-1,3,2-oxazaphospholane by Electron Diffraction — V. A. Naumov and M. A. Pudovik	237	351
β-Substituted Carbonium Ions. Synthesis and Deamination of 2-Chloro-1-aminobutane and 1-Chloro-2-aminobutane Hydrochlorides — O. A. Reutov, A. S. Gudkova, and I. V. Petrosyan	240	354
Optically Active Chelates with No Ligand Pairs — E. G. Rukhadze, G. P. Talyzenkova, and Yu. A. Maletin	244	358
Mechanism of Conjugate Intramolecular Addition across a Double Bond — S. S. Yufit, V. N. Sapunov, and V. F. Kucherov	248	362
Structure and Properties of 3α-Acetyl-α-4,5-epoxycarane — B. A. Arbuzov, Z. G. Isaeva, N. D. Ibragimova, S. G. Vul'fson, and A. N. Vereshchagin	251	581
A New Method of Preparation of 1,4-Bifunctional Systems — V. I. Isagulyants, D. L. Rakhmankulov, and S. S. Zlotskii	254	585
Investigation of the Catalytic Activity of Polyacetylene in the Dehydrogenation and Dehydration of Isopropyl Alcohol — L. M. Lomova, Ya. M. Paushkin, A. D. Gornstein, and Yu. A. Shvachkin	256	587
Investigation of the Structure of the N,N-Dimethyl-2-chloro-1,3,2-diazaphospholane Molecule by Electron Diffraction — V. A. Naumov, N. A. Gulyaeva, and M. A. Pudovik . .	259	590
1,3-Alkylene Dithiolphosphites — É. E. Nifant'ev, A.I. Zavalishina, S. F. Sorokina, and S. M. Chernyak	262	593
Izomerization of Alkenyl Esters Phosphinous Acid to β-Ketophosphines — Z. S. Novikova, N. P. Galitskova, and I. F. Lutsenko	265	596

Mechanism of the Reaction of Benzyl and Cyclohexyl Derivatives with Silicon Hydrides		
— Z. N. Parnes, M. I. Kalinkin, V. A. Tsryapkin, R. F. Khamitova, and D. N. Kursanov ..	269	600
Electrophilic Addition to Unsaturated Compounds. Acylation of Olefins — V. A. Smit,		
A. V. Semenovskii, O. V. Lyubinskaya, and V. F. Kucherov	272	604
Phosphonic Derivatives of Adamantine — E. S. Shepeleva, P. I. Sanin, D. M. Oleinik,		
E. I. Bagrii, and A. A. Polyakova	275	608
New Synthesis of α -D-Glucopyranosyl-6-T-phosphate — V. N. Shibaev, Yu. Yu. Kusov,		
and N. K. Kochetkov	278	612

Volume 203, Numbers 4-6 April, 1972

Structure of the Bromohydrin Obtained from 3β -Acetyl- α -3,4-Epoxy-carane — B. A. Arbuzov,		
Z. G. Isaeva, N. D. Ibragimova, and N. Kh. Abaeva	281	817
Highly Conductive Iridium Complexes — L. N. Buravov, R. N. Stepanova, M. L. Khidekel',		
and I. F. Shchegolev	283	819
Investigation of the Kinetics of the Formation of Polyimides in Solution — S. V. Vinogradova,		
Z. V. Gerashchenko, Ya. S. Vygodskii, F. B. Sherman, and V. V. Korshak	285	821
Phase Diagram of the System Water-Diethylamine in the Crystallization Region at Pressures		
up to 3000 Bar — Yu. A. Dyadin, N. P. Kuznetsov, and I. I. Yakovlev	289	825
Conjugate Addition during Acylation of Olefins — O. V. Lyubinskaya, V. A. Smit,		
A. V. Semenovskii, and V. F. Kucherov	293	829
Radiochemical Investigation of the Migration of Isopropyl Alcohol Molecules in the Adsorbed		
Layer on Aluminum Oxide — L. A. Makhlis and V. É. Vasserberg	297	833
Organoboron Compounds (The Reaction of Triallylborane with Propargyl Chloride)		
— B. M. Mikhailov, B. I. Bryantsev, and T. K. Kozminskaya	300	837
Stereochemical Aspect of Reactions of 1,3-Butylene Phosphite — É. E. Nifant'ev		
and I. S. Nasonovskii	304	841
Synthesis of Carbonyl-Containing Polymers with Triple Bonds in the Chain — Ya. M. Paushkin,		
A. F. Lunin, and V. V. Farafonov	307	844
Catalytic Properties of Metals Obtained by Thermal Decomposition of Organometallic		
Compounds — G. A. Razuvaeve, T. A. Sladkova, G. A. Domrachev, K. G. Shal'nova,		
B. G. Gribov, and V. P. Mar'in	310	848
Effect of the Leaving Group on the Isomerization of Carbonium Ions Formed in the Solvolysis		
of Arenesulfonates — T. N. Shatkina, E. V. Leont'eva, É. T. Lippmaa, T. Pekhk,		
and O. A. Reutov	313	852
Synthesis and Investigation of Physiologically Active Esters of Phosphoric Acid Containing		
a Trichloromethyl Group. Chlrophosphol — E. S. Shepeleva, M. S. Borodach,		
P. I. Sanin, A. P. Gel'fer, Yu. S. Kagan, O. Ts. Kim, M. L. Tarakhovskii,		
Ya. G. Timoshenko, and I. L. Ferfil'fain	317	856
Synthesis of 5-Aminouridine-5'-Phosphate and 5-Methoxyuridine-5'-Phosphate — V. K. Shibaev,		
G. I. Eliseeva, and N. K. Kochetkov	320	860
Structure of the Reaction Products of 1-X-3,5-Dinitrobenzenes with Acetone in Alkaline		
Medium — S. S. Gitis, Yu. D. Grudtsyn, É. A. Bronshtein, É. É. Gol'teuzen,		
and A. Ya. Kaminskii	323	1063
Synthesis of Spinel Solid Solutions in the System Co-Fe-Yi-O and Certain Peculiarities		
of Their Crystal Structure — I. N. Dubrovina, R. G. Zakharov, A. A. Shchepetkin,		
and G. I. Chufarov	325	1065
The System Water-Tetra-n-Butylaminonium Bromide. Clathrate Hydrates — Yu. A. Dyadin,		
I. I. Yakovlev, I. V. Bondaryuk, L. S. Aladko, and L. S. Zelenina	328	1068
Stable Episulfonium Salts — O. V. Kil'disheva, M. G. Lin'kova, L. P. Rasteikene,		
V. A. Zabelaite, N. K. Potsyute, and I. L. Knunyants	331	1072

Application of Methods of Mathematical Planning to the Determination of Dissociation Constants in Aqueous Alcohol Media — R. I. Kovalenko, E. P. Trailina, Yu. V. Granovskii, and Vikt. I. Spitsyn	334	1075
Mechanism of Modification of the Structure and Properties of Oriented Materials by the Methods of Grafting and Block Copolymerization — A. I. Kurilenko	337	1078
Possibility of Conjugation of the Chlorine Atom with Aromatic Benzenesulfonyl Chlorides through Its Vacant d-Orbitals — Yu. I. Naumov and V. A. Izmail'skii	341	1082
Acylation of Alkynes by Cationoid Complexes — G. V. Roitburd, V. A. Smit, A. V. Semenovskii, A. A. Shchegolev, and V. F. Kucherov	345	1086
Rotational Isomerism around the PC Bond in $\text{CH}_2\text{ClP}(=\text{S})\text{Cl}_2$ — L. S. Kahikin, L. V. Vilkov, A. F. Vasil'ev, N. N. Mel'nikov, T. F. Tulyakova, and M. G. Anashkin	349	1090
Reaction Rate and Orientation in Acid Hydrogen Exchange of Derivatives of Cyclopentadienylmanganese dicarbonyltriphenylphosphine — A. I. Khatami, M. N. Nefedova, V. N. Setkina, and D. N. Kursanov	353	1094
Interaction of Triisobutylaluminum with Polyunsaturated Olefins — V. P. Yur'ev, I. M. Salimgareeva, A. V. Kuchin, G. A. Tolstikov, and S. R. Rafikov	356	1097
Study of the Genesis of Multicomponent Reciprocal Systems by Means of Elementary Matrices — N. A. Vasina and V. I. Posypaiko	359	1303
Solubility Isotherm of the System $\text{Mg}(\text{BH}_4)_2$ — LiBH_4 —Ether at 20°C — V. N. Konoplev and V. I. Mikheeva	363	1307
Preparation of Aromatic Alcohols by Oxidation of Alkylnaromatic Hydrocarbons — Yu. A. Lapitskii, M. M. Grozhan, L. A. Parenago, V. V. Kamzolkin, and A. N. Bashkirov	366	1310
Effect of Molecular-Weight Distribution in Polyethylene Terephthalate on Its Structural Polydispersity — N. G. Mal'tseva, V. B. Stryukov, and É. G. Rozantsev	368	1313
Complexing Ability of Tellurium Tetrachloride — M. E. Peisakhova, I. P. Gol'dshstein, E. N. Gur'yanova, and K. A. Kocheshkov	372	1316
Gold-Containing Complexes of Ferrocenethiol — É. G. Perevalova, D. A. Lemenovskii, K. I. Grandberg, and A. N. Nesmeyanov	375	1320
Investigation of Regularities in the Polymerization of 1,1,3,3-Tetramethyl-1,3-Disilacyclobutane on π -Crotylnickel Complexes — V. A. Poletaev, V. M. Vdovin, and N. S. Nametkin	379	1324

Volume 204, Numbers 1-3 May, 1972

Reactions of Organomercury Compounds Analogous to the Wurtz Reaction — I. P. Beletskaya, V. B. Vol'eva, and O. A. Reutov	383	93
Study of the Thermal Decomposition of Bisarene Compounds of Chromium by ESR — B. G. Gribov, B. I. Kozyrkin, A. D. Krivospitskii, and G. K. Chirkin	386	96
Structure of Diazophenols — L. A. Kazitsyna and N. D. Klyueva	389	99
Study of the Stereochemical Behavior and Reactivity of Some Dienophiles of the Acrylic, Methacrylic, and Trans-Crotonic Series — A. I. Konovalov, G. I. Kamasheva, and M. P. Loskutov	393	103
Study of the Interaction of Ln_2O_3 with HfO_2 — V. A. Krzhizhanovskaya, V. B. Glushkova, and L. G. Shcherbakova	396	107
Study of Association of Thiobenzoic Acids by NMR. The Role of Proton-Donors and Electron-Donors in Formation of the Hydrogen Bond — V. K. Pogorelyi	399	110
Ion Pairs in the System 4,4-Dimethyl-2,6-di-tert-butyl-2,5-cyclohexadienone—Metal and Their Reactivity — A. I. Prokof'ev, S. P. Solodovnikov, A. A. Volod'kin, and V. V. Ershov	402	114
Microbiological Deacetylation of Derivatives of 1-Acetylindole — E. L. Ruban, N. S. Mamulina, O. D. Shalygina, L. Kh. Vinograd, and N. N. Suvorov	406	118

C ¹³ NMR Spectra of Allylpalladium Halides—V. N. Sokolov, G. M. Khvostik, I. Ya. Poddubnyi and G. P. Kondratenkov	408	120
Anionic Polymerization of Methyl Methacrylate in the Presence of Its Hydrogenated Analog —L. K. Golova, Yu. B. Amerik, B. A. Krentsel', and A. Yu. Koshevnik	411	347
Coordination Compounds of Alkyl Derivatives of Gallium with Alkyl Compounds of Elements of Group VA—B. G. Gribov, B. I. Kozyrkin, and E. N. Zorina	414	350
Synthesis of Certain Haloderivatives of 1-β-D-Xylofuranosyluracil—Z. S. Dubinkina, É. M. Kaz'mina, and B. N. Stepanenko	416	352
Thermochemistry of Certain Organic Compounds Containing Silicon—Mercury and Germanium—Mercury Bonds—G. M. Kol'yakova, I. B. Rabinovich, N. S. Vyazankin, and E. N. Gladyshev	419	356
Reactivity of N-Arylmaleimides in the Reaction of Diene Synthesis with Phencyclone —A. I. Konovalov and Ya. D. Samuilov	422	359
Two Forms of Adsorption of Hydrogen on Carbon—R. E. Mardaleishvili and Zh. Ya. Smorodinskaya	425	362
Self-propagated High-Temperature Synthesis of Refractory Inorganic Compounds —A. G. Merzhanov and I. P. Borovinskaya	429	366
Peculiarities of the Structure and Properties of Nitroxide Free Radicals in the Crystalline State and in Solutions—I. A. Prokop'eva, V. D. Galyaminskikh, G. A. Abakumov, R. O. Matevosyan, and A. K. Chirkov	433	370
Detection of HO ₂ Radicals in the Thermal Oxidation of Propane—G. Sh. Alaverdyan, G. A. Sachyan, and A. B. Nalbandyan	436	370
Preparation of Polyfluorinated 1,2-Epoxides from Tertiary Polyfluorocarbonols —R. A. Bekker, G. V. Asratyan, B. L. Dyatkin, and I. L. Knunyants	439	603
Morphology of High-Molecular-Weight Condensation Structures—I. N. Vlodavets, N. A. Abaturova, G. M. Sinitsyna, V. I. Zhdanova, Ya. M. Yabko, E. E. Tarakanova, and E. M. Fodyukov	443	610
Organoboron Compounds. Hydroboration of 3-Methyl-1,2-butadiene as a Method of Synthesis of Alkyl-(3-methyl-2-butenyl)boranes—B. M. Mikhailov, V. N. Smirnov, and O. D. Ryazonova	446	612
Monosubstituted N-Methylpyridinium Cyclopentadienylides—A. N. Nesmeyanov, V. A. Sazonova, V. E. Fedorov, and S. A. Busev	450	616

Volume 204, Numbers 4-6 June, 1972

Homocondensation of Polyaminosiloxanes as a Method of Preparation of Cycloorganosiloxazanes—K. A. Andrianov, V. N. Emel'yanov, and E. V. Rudman	453	855
An Electron-Diffraction Investigation of the Structure of the Pyrocatechol Chlorophosphite Molecule—B. A. Arbuzov, V. A. Naumov, S. A. Shaidulin, and É. T. Mukmenev	457	859
Infrared Study of the Interaction of Deuterotoluenes with the Structural Hydroxyl Groups on Decationized Zeolite—V. V. Berentsveig, A. P. Rudenko, and A. A. Kubasov	460	862
One-Electron Transfer in Bimolecular Nucleophilic Substitution—N. N. Bubnov, S. G. Kukes, S. P. Solodovnikov, D. Kh. Rasuleva, A. I. Volod'kin, and V. V. Ershov	463	865
Phase Equilibria in the System Ca ₂ GeO ₄ —Ba ₂ GeO ₄ —R. G. Grebenshchikov and V. I. Shitova	466	868
Preparation of Phenols by Oxidation of Alkylaromatic Hydrocarbons—M. M. Grozhan, Yu. A. Lapitskii, I. V. Vygodskaya, V. V. Kamzolkin, and A. N. Bashkirov	469	872
Condensation of 1,3-Indanedione with Malononitrile—É. Yu. Gudrinietse, P. V. Pastors, and A. F. Ievin'sh	471	874
Charge-Transfer Complexes of Aromatic Diamines—K. K. Kalnin'sh, G. I. Solov'eva, B. G. Belen'kii, V. V. Kudryavtsev, and M. M. Koton	473	876

Dehydrogenation and Isomerization in the 2,3-Dihydrobenzofuran and Chroman Series —E. A. Karakhanov, E.A. Dem'yanova, and E. A. Viktorova	476	879
Preparation of Epitaxial Layers of Cadmium Sulfide by Means of Organometallic Compounds —A. N. Mentser, B. G. Gribov, A. S. Pashinkin, and K. V. Zinov'ev	479	881
Changes in the Nature of the Propagating Radical in the Slow Oxidation of Propane —G. A. Sachyan, G. Sh. Alaverdyan, and A. B. Nalbandyan	482	883
The Stability and Extraction of Metal Halide Complexes—B. Ya. Spivakov, O. M. Petrukhin, and Yu. A. Zolotov	485	887
Study of the Dielectric Properties of Clathrate Complexes Formed by 2'-Hydroxy-2,4,4,7,4'- Pentamethylflavan with Some Organic Compounds—V. A. Frolov, M. G. Struchkov, O. A. Reutov, and Yu. A. Klyachko	489	891
Scandium Glycolates—T. V. Shestakova, Z. N. Prozorovskaya, L. N. Komissarova, and V. I. Spitsyn	491	893
Structure of the Thiourea Adduct of 1,6-Dichlorobisethylenediaminecobalt (III) Chloride —A. V. Ablov, L. I. Landa, Yu. A. Simonov, T. I. Malinovskii, N. N. Proskina, and M. G. Gimel'man	495	1109
Synthesis of Organospirobi- and Tricyclosiloxanes with Mixed Framing Groups —K. A. Andrianov, A. B. Zachernyuk, B. D. Lavrukhan, and N. G. Vasilenko	498	1112
Oxidation of 4-Carene by Lead Tetraacetate in Benzene—B. A. Arbuzov, V. V. Ratner, Z. G. Isaeva, and M. G. Belyaeva	501	1117
Synthesis, NMR Spectra, Dipole Moments, and Conformations of Some 1,3-Thiaphosphetane Derivatives—R. P. Arshinova, T. A. Zyablikova, É. Kh. Mukhametzyanova, and L. M. Shermergor	504	1118
Crystal Structure of Neodymium Sulfate Octahydrate—Nd ₂ (SO ₄) ₃ ·8H ₂ O—L. A. Aslanov, V. B. Rybakov, B. M. Ionov, M. A. Porai-Koshits, and V. I. Ivanov	508	1122
The Role of Hydrogen Atoms in Ethane Cracking—R. A. Kalinenko, S. I. Korochuk K. P. Lavrovskii, Yu. V. Maksimov, and Yu. P. Yampol'skii	511	1125
The Structure of Copolymers Obtained by Nonequilibrium Copolycondensation in Solution —V. V. Korshak, V. A. Vasnev, S. V. Vinogradova, P. O. Okulevich, and Yu. I. Perfilov ..	514	1129
Mechanism of the Formation of Dipyrromethanes—T. A. Melent'eva, L. V. Kazanskaya, and V. M. Berezovskii	517	1132
Geminal Interaction of Fluorine and Mercury Atoms in Bis(perfluoroalkyl)mercury Compounds (from NMR Data)—L. A. Fedorov, Z. A. Stumbrevichyute, B. L. Dyatkin, B. I. Martynov, and S. R. Sterlin	520	1135
Dipole Moments and Kerr Constants of 1,3,2-Dioxaphospholanes—B. A. Arbuzov, R. P. Arshinova, L. I. Gurarii, and É. T. Mukmenev	523	1349
2-Phosphabenzoazoles—a New Type of Cyclic Imidophosphorus Compound—M. I. Kabachnik, N. A. Tikhonina, B. A. Korolev, and V. A. Gilyarov	525	1352
The Catalytic Activity of Metallic Chromium Containing Hydrogen in the Crystal Lattice —V. V. Lunin, G. V. Lisichkin, A. E. Agronomov, and Yu. M. Bondarev	529	1356
Investigation of Molecular Mobility in Polyarylates with 1,2- and 1,7-Diphenylcarborane Units in the Chain—V. S. Matochkin, A. I. Kalachev, Yu. V. Zelenov, P. M. Valetskii, S. V. Vinogradova, and V. V. Korshak	532	1359
Acylotropy in O-Acetoacetylacetone—V. I. Minkin, L. P. Olekhovich, Yu. A. Zhdanov, V. V. Kiselev, M. A. Voronov, L. E. Nivorozhkin, and Z. N. Budarina	536	1363
The Bent ("Banana") Form of the Carbon—Carbon Double Bond in Cyclopropene —B. M. Mikhailov	539	1366
Oxyacetylation of Benzene in the Presence of Xenon Difluoride—L. N. Nikolenko, L. D. Shustov, T. N. Bocharova, T. I. Yurasova, and V. A. Legasov	542	1369
The Question of Assistance in β -Elimination Reactions—A. K. Prokof'ev and O. Yu. Okhlobystin. Investigation of Copper (II) Alkanoates by Electron Impact in the Vapor Phase —Kh. Sh. Khariton, A. V. Ablov, and G. A. Popovich	544	1371
	547	1374

Volume 205, Numbers 1-3

July, 1972

Reduction of Aryl Halides with Sodium Aluminum Hydride—L. I. Zakharkin, V. V. Gavrilenko, and A. F. Rukasov	551	93
Effect of Ferrocene Derivatives on the Thermal Degradation of Polyethylene —E. I. Karakozova, D. M. Ratner, Ya. M. Paushkin, R. A. Stukan, L. V. Karmilova, T. P. Vishnyakova, and N. S. Enikolopyan	555	97
Modification of Nucleic Acid Components with α -Haloaldehydes—N. K. Kochetkov, V. N. Shibaev, and A. A. Kost	558	100
The Role of the Acid in Ionic Hydrogenation—D. N. Kursanov, Z. N. Parnes, V. A. Tsryapkin, Z. V. Knyazeva, and N. I. Yunosheva	562	104
Hydrogenation of Nitrobenzene under Hydrogen Pressure with Measurement of the Catalyst Potential—A. M. Sokol'skaya, T. Omarkulov, F. B. Bizhanov, and M. Z. Kamalov	565	107
Structure of Erbium Acetate Tetrahydrate—L. A. Aslanov, I. K. Abdul'minev, M. A. Porai-Koshits, and V. I. Ivanov	568	343
Synthesis and NMR Spectra of F^{19} of $(CO_3)MnC_5H_4-C_6H_4F-m(-p)$ and $(CO)_3ReC_5H_4-C_6H_4F-m(-p)$ —S. P. Gubin, A. A. Koridze, N. A. Ogorodnikova, and B. A. Kvasov	571	346
Fluorine Calorimetry. Enthalpy of Formation of Tungsten Hexafluoride —V. Ya. Leonidov, V. S. Pervov, L. I. Klyuev, O. M. Gaisinskaya, V. A. Medvedev, and N. S. Nikolaev	574	349
An Empirical Method of Determining the Number of Bands and Their Origin in the UV Spectra of Tri-, Tetra-, and Pentasubstituted Benzenes—E. E. Milliaresi, V. E. Ruchkin, T. I. Orlova, and V. V. Efremov	578	353
Hydro-Substituted 2-Aryl-1,3-indandiones in Radical Reactions—V. V. Moiseev and I. T. Poluéktof	582	357
Conversion of 1,1-Dimethylindan and 2,2-Dimethylindan under the Action of Aluminum Bromide—N. S. Nametkin, E. Sh. Finkel'shtein, E. B. Portnykh, V. M. Vdovin, and A. S. Shashkov	585	361
Thermochemistry of a Series of Niobium and Tantalum Alcoholates—V. I. Tel'noi, I. B. Rabinovich, B. I. Kozyrkin, B. A. Salamatin, and K. V. Kir'yanov	588	364
Influence of Autoassociation of Acetic Acid on the Rate of Its Addition to n-Butoxyethene —B. A. Trofimov, S. E. Korostova, T. K. Pogodaeva, and M. G. Voronkov	591	367
Free Radical Decomposition of Silver Salts of N-Hydroxytriazenes—É. P. Sanaeva, V. K. Cherkasov, G. A. Abakumov, and G. A. Pazuvaev	593	370
Mechanism of the Alkylation of Aromatic Hydrocarbons with Cyclopropane—V. A. Isidorov, B. V. Ioffe, B. V. Stolyarov, and V. A. Valovoi	595	585
Thermal Decomposition of $NaAlH_4$ —V. A. Kuznetsov, N. D. Golubeva, and K. N. Semenenko	599	589
Fluorescent Properties of Certain Azomethines—T. N. Matskevich, L.A. Shanter, Yu. A. Shanter, E. P. Trailina, I. A. Savich, and Vikt. I. Spitsyn	602	593
Reaction of Arsonium Salts with Organolithium Compounds—V. V. Mikul'shina, Nik. A. Nesmeyanov, and O. A. Reutov	605	596
Synthesis of Polymers with Conjugated Bonds Based on Dilithium Derivatives of Aromatic Hydrocarbons—Ya. M. Paushkin, A. F. Lunin, T. I. Nazarova, and M. G. Akhmadeeva	608	599
Influence of a Cocatalyst on the Rate and Direction of the Telomerization of Unsaturated Compounds with CCl_4 , Catalyzed by $Fe(CO)_5$ —R. Kh. Freidlina, N. A. Grigor'ev, T. A. Onishchenko, and B. A. Énglin	611	602

Volume 205, Numbers 4-6

August, 1972

Conformational State of an α -Chymotrypsin Substrate in Solution and at the Active Center of the Enzyme—V. K. Antonov	615	839
---	-----	-----

Spirophosphoranes from Acrolein and Methyl Ethylene and Methyl 1,3-Butylene Phosphites —B. A. Arbuzov, Yu. M. Mareev, V. S. Vinogradova, and Yu. Yu. Samitov	618	843
Role of Intermediate Compounds of Rubber with Fragments of the Vulcanization System in the Formation of Sulfur-Vulcanized Structures —A. A. Dontsov, A. G. Proicheva, and B. A. Dogadkin	622	847
Conversions of 2,6-Di-tert-butyl-4-methylphenol under the Influence of RO [•] Radicals —K. I. Ivanov, T. N. Kulikovskaya, V. K. Savinova, E. S. Panfilova, V. P. Zhakovskaya, and M. G. Semenova	626	851
Synthesis of 1,1-Dimethylcyclobutane by Hydrogenolysis of Spirohexane over Platinized Carbon —N. S. Nametkin, V. M. Vdovin, E. Sh. Finkel'shtein, and A. M. Popov	630	855
Investigation of the Transmission of Electronic Effects in Certain Cyclopentadienyl Derivatives of Titanium by H ¹ , F ¹⁹ , and C ¹³ NMR —A. N. Nesmeyanov, O. V. Nogina, É. I. Fedin, V. A. Dubovitskii, B. A. Kvasov, and P. V. Petrovskii	632	857
Investigation of Synthetic Iriginite —V. N. Serezhkin, L. M. Kovba, V. K. Trunov, and Vlkt. I. Spitsyn	636	861
The Behavior of Homogeneous Catalysts in Mixed Aqueous Organic Solutions —D. V. Sokol'skii, Ya. A. Dorfman, and L. S. Ernestova	639	865
Synthesis of Organosilicon Compounds Via Dichlorosilylene —E. A. Chernyshev, N. G. Komalenkova, and S. A. Bashkirova	642	868
ESR Spectra of 2,6-Di-tert-butyl-4-dialkylaminophenoxy Radicals —G. A. Abakumov, E. S. Klimov, and G. A. Rasuvaev	645	1093
Polarizability Anisotropy and the Steric Structure of Phenylcyclopropanes and Their Analogs —B. A. Arbuzov, A. N. Vereshchagin, S. G. Vul'fon, and L. A. Monetina	648	1096
Absorption Spectra of Benzene Derivatives with Two Donor Groups from the Point of View of the Interaction of Two Symmetrically Bonded Cochromophores —V. A. Izmajl'skii and O. I. Lobova	651	1100
Cadmium Fluoride Ammoniate —S. P. Kozerenko, S. A. Polishchuk, N. I. Sigula, and Yu. V. Gagarinskii	654	1104
Regularities in the Oxidation of Alkylnaromatic Hydrocarbons in the Presence of Acetic Anhydride —Yu. A. Lapitskii, M. M. Grozhan, V. V. Kamzolkin, and A. N. Bashkirov	657	1107
Synthesis of an Amine Complex of Trichlorogermaine, HGeCl ₃ ·Et ₃ N, via Hydrogen-Halogen Exchange between Germanium Tetrachloride and Certain Organosilicon Hydrides —N. S. Nametkin, V. K. Korelev, and O. V. Kuz'min	660	1111
Chemical Matrix Synthesis of Oligonucleotides in Aqueous Solutions —V. K. Nedbai, N. I. Sokolova, Z. A. Shabarova, and M. A. Prokof'ev	663	1114
Conversion of 4,4'-Dinitro-cis-stilbene to the Trans Isomer via Electron Transfer —Z. V. Todres and D. N. Kursanov	666	1117
The Structure of Streptothricins —K. I. Shutova and A. S. Khokhlov	668	1119
Reversal of the Sign of the Temperature Coefficient of the Rate of the Reaction of Alkyllithium Compounds with Ethers —Yu. N. Baryshnikov, G. I. Vesnovskaya, and V. N. Mushkarinova	670	1353
Kinetics of the Homogeneous Acetylation of Cyclopentadienylmanganese Tricarbonyl —A. G. Ginzberg, I. B. Nemirovskaya, V. N. Setkina, and D. N. Kursanov	672	1356
Use of an Adiabatic Vacuum Calorimeter in Studies of the Kinetics of the Conversion of Conformers in the Solid Phase —V. P. Kolesov and V. N. Vorob'ev	674	1358
Reaction of Bis(π -Allyl)Nickel with Duroquinone —A. N. Nesmeyanov, L. S. Isaeva, L. N. Lorens, A. M. Vainberg, and Yu. S. Nekrasov	678	1362
Imin-Enamine Tautomerism in 6-Arylpyrimido[4,5-b][1,4]Thiazines —T. S. Safonova, Yu. N. Sheinker, M. P. Nemeryuk, E. M. Peresleni, and T. F. Vlasova	681	1366

Volume 206, Numbers 1-3 September, 1972

Experiment on the Construction of a Computer System for Determination of Structural Fragments of Unknown Compounds from NMR Spectra — V. A. Barkhash,		
Yu. P. Drobyshev, S. P. Sokolov, L. F. Sekerina, and V. A. Koptyug	685	95
Effect of the Nature of Acidic Ligands on the Properties of Pentahalonitrosyl Complexes of Osmium — K. A. Bol'shakov, N. M. Sinitsyn, V. F. Travkin, and Z. B. Itkina	688	98
Aromatic Polynitro Compounds with Activated Methyl Groups as Nucleophilic Agents — S. S. Gitis, A. Ya. Kaminskii, Yu. D. Grudtsyn, and É. É. Gol'tezen	691	102
Alkylation of Platinum Salts by Organomercury Compounds. Proof of the Formation of Alkylplatinums in the Homogeneous Activation of Saturated Hydrocarbons — N. F. Gol'dshleger, I. I. Moiseev, M. L. Khidekel', and A. A. Shtainman	694	106
The Anti-Inhibition Effect of Nitroform on the Tetranitromethane-Inhibited Decomposition of Hydrogen Peroxide under the Influence of Fe (III) Aquo-Ions — B. V. Erofeev and V. A. Plakhotnik	698	110
Infrared Absorption Spectra of Alkali Metal Octacyanomolybdates — D. I. Zubritskaya and Yu. A. Lyubchenko	701	113
Effect of Ion Pairs on the Microstructure of Polymer Chains during Radical Polymerization of Acrylate and Methacrylate Anions in Aqueous Solutions — V. A. Kabanov, D. A. Topchiev, and T. M. Karaputadze	703	115
Kinetics of the Dehydrogenation of 2,3-Dihydrobenzofurans on Activated Carbon — É. A. Karakhanov, M. V. Vagabov, and E. A. Viktorova	706	118
Photolysis of Aliphatic Aldehydes at 77°K — M. Ya. Mel'nikov, L. M. Baider, and N. V. Fok	709	122
Organoboron Compounds. Reaction of Triallylborane with Allenic Hydrocarbons — B. M. Mikhailov, V. N. Smirnov, and E. P. Prokof'ev	712	125
A New Method for the Synthesis of Oligonucleotide Amides — N. I. Sokolova, V. V. Nosova, Z. A. Shabarova, and M. A. Prokof'ev	716	129
Direction of the Addition of π -Crotynickel Iodide to Isoprene — V. A. Vasil'ev, V. I. Klepikova, G. P. Kondratenkov, V. A. Kormer, and M. I. Lobach	719	347
Synthesis of 5-Dialkylamino Derivatives of Thionaphthene and Benzoselenophene — V. I. Dulenko and N. N. Alekseev	722	351
Certain Properties of p-Picryltoluidine and α -(Benzothiazol-2-yl)- α -Phenyl-p-Picrylhydrazine in the Crystalline State and in Solution — G. A. Egiazaryan, L. A. Petrov, L. A. Perelyaeva, V. D. Galyaminskikh, B. P. Mannannikov, A. K. Chirkov, and R. O. Matevosyan	726	355
Effect of Moisture on the Thermal Degradation of Polybenzoylenebenzimidazoles — V. V. Korshak, S. A. Pavlova, P. N. Gribkova, I. V. Vlasova, A. L. Rusanov, and V. V. Rodé	729	359
The Initiating Effect of a Number of Nucleophilic Reagents and Acids on Macromolecular Cyclization in Polyvinyl Cyanides — V. Z. Pogoreiko and N. N. Bazhenova	733	363
Investigation of the ATPase Portion of the Active Center of Nitrogenase by NMR — L. A. Syrtsova, I. I. Nazarova, T. N. Pisarskaya, and V. B. Nazarov	737	367
Similarity of the Structures of Crystals of the Tetragonal β -Modification of LiO_3 and $\text{Ce}(\text{IO}_3)_4$ — L. A. Azarova, E. E. Vinogradov, E. M. Mikhailova, and V. I. Pakhomov	740	613
Polyiminoxy- and Polyaminoalkoxyorganosiloxanes — K. A. Andrianov, V. N. Emel'yanov, E. V. Rudman, A. B. Shapiro, and É. G. Rozantsev	743	616
Fluorine-Containing Heterocumulenes. Interaction of N-Aryl-bis-(Trifluoromethyl)-Ketenimines with α ,N-Diphenylnitrone — N. P. Del'tsova, N. P. Gambaryan, and I. L. Knunyants	747	620
Benzenehexasulfonic Acid — N. S. Dokunikhin, L. A. Gaeva, and G. A. Mezentseva	750	624
Magnetochemistry of Vanadyl Complexes with Derivatives of Carboxylic Acids with Increased Coordination Capacity — V. T. Kalinnikov, V. V. Zelentsov, O. D. Ubozhenko, and T. G. Aminov	753	627

Diagram of Molybdenum Disilicide-Titanium Disilicide - V. N. Svechnikov, Yu. A. Kocherzhinskii, and L. M. Yupko	756	631
Infrared Spectra of Cesium, Rubidium, and Potassium Perchloratoberyllates - L. B. Serezhkina, Z. I. Grigorovich, A. I. Karelkin, N. S. Tamm, and A. V. Novoselova	759	634

Volume 206, Numbers 4-6 October, 1972

A New Form of Steoisomerism of trans-Dioximines of Triphenylphosphine- and Triphenylstibinecobalt(III) - A. V. Ablov, M. M. Botoshanskii, Yu. A. Simonov, T. I. Malinovskii, A. M. Gol'dman, and O. A. Bologa	763	863
Complex Formation in Amine-Methylsiloxane Systems - K. A. Andrianov, A. A. Zhdanov, A. M. Evdokimov, B. G. Zavin, L. A. Leites, and T. V. Biryukova	765	866
Condensation of Trideoxyadenylate by Means of a Water-Soluble Carbodiimide in the Presence of Polyuridylic Acid - A. G. Badashkeva, G. N. Kabasheva, D. G. Knorre, G. G. Shamovskii, and T. N. Shubina	769	870
Study of the Interaction of Os(VI) As $[OsO_2Cl_4]^{2-}$ with Aliphatic Amines during Extraction from Hydrochloric Acid Media - K. A. Bol'shakov, N. M. Sinitsyn, N. M. Bodnar', and S. R. Danilov	772	874
Degradative Cyclization of cis-Polybutadiene in Solution under the Influence of Tungsten and Molybdenum Complexes - E. N. Kropacheva, D. E. Sterenzat, Yu. A. Patrushin, and B. A. Dolgoplosk	776	878
ESR Study Over the Temperature Range 77-350°K of Polycrystalline Monosaccharides γ -Irradiated at 77°K - I. V. Nikitin, I. V. Miroshnichenko, L. I. Kudryashov, M. E. Dyatkina, and N. K. Kochetkov	778	880
Reaction of Ferrocenyl- and Phenyl(Triphenylphosphine)Gold with Electrophilic Reagents - É. G. Perevalova, D. A. Lemenovskii, T. V. Baukova, E. I. Smyslova, K. I. Grandberg, and A. N. Nesmeyanov	781	883
Development of a Method of Triangulation of Composition Diagrams of Multicomponent Reciprocal Systems with Complex Compounds by Means of Graphs and an Electronic Computer - V. I. Posypaiko, E. A. Alekseeva, V. N. Pervikova, A. G. Kraeva, and L. S. Davydova	785	887
Free Radicals in the Reaction of 2,4,6-Tri-tert-butyl-4-bromo-2,5-cyclohexadienone with Diethylamine - G. A. Razuvaev, G. A. Abakumov, and E. S. Klimov	788	889
Nature of the Active Sites on the Surface of Dispersed Silicas - V. A. Tertykh, A. A. Chuiko, V. V. Pavlov, and V. M. Ogenko	791	893
The Phenomena of Free Convection in a Chromatographic Column - A. V. Alekseeva and M. É. Aérov	794	1115
Effects of Aqueous Solutions of Hydroxides on p-Nitrobenzaldehyde - I. S. Kisilina and M. I. Vinnik	797	1118
Formation and Stabilization of a γ -Solid Solution of Carbon in Iron on Quartz and Pyrocarbon in the Thermal Conversions of Methane and Acetylene - Yu. V. Maksimov, I. P. Suzdalev, and Yu. P. Yampol'skii	799	1120
Reactions of the Alkaline-Earth Metal with Aromatic and Unsaturated Compounds in Electron- Donor Media - L. N. Moskalenko and A. A. Arest-Yakubovich	802	1124
Reactions of Decomposition of $(C_6H_5)_2Ti[Ge(C_6H_5)_3]_2$ in Various Solvents - G. A. Razuvaev, V. N. Latyaeva, G. A. Vasil'eva, L. I. Vyshinskaya, and G. Ya. Mal'kova	805	1127
The Molecular Structure of Tetramethyleneselenonium Dimedonylide - V. V. Saat-sazov, R. A. Kyandzhetsian, S. I. Kuznetsov, N. N. Magdesieva, and T. L. Khotsyanova	808	1130
Synthesis of the Phenylalanine Amide of a Pentadeoxynucleotide - V. D. Smirnov, M. G. Ivanovskaya, E. V. Il'ina, Z. A. Shabarova, and M. A. Prokof'ev	810	1133
Reaction of α -Aminoacetanilide with Chlorocyclotriphosphazotrienes - G. F. Telegin, V. V. Kireev, and V. V. Korshak	814	1137

[p-Totyl(triphenylphosphine)gold]triphenylphosphine gold Tetrafluoroborate			
—K. I. Grandberg, T. V. Baukova, É. G. Perevalova, and A. N. Nesmeyanov	816	1355	
Branching in cis-Polybutadiene from Polymerization Catalyzed by π -Allyl Complexes			
of Nickel —V. A. Grechanovskii, L. A. Nedoinova, I. Ya. Podubnyi, and L. R. Avdeeva . .	820	1359	
Mechanism of the Formation of Benz(a)pyrene —N. V. Lavrov, N. L. Staskevich,			
and G. P. Komina	823	1363	
Method of Construction of Isothermal Sections and Projection of Ternary Systems —F. S. Novik,			
M. V. Lomonosov, A. A. Tatarkina, M. V. Raevskaya, and E. M. Sokolovskaya	827	1367	
Structural-Mechanical Properties of Solutions of Deoxyribonucleoprotein —V. D. Paponov,			
D. M. Spitskovskii, V. V. Bogdanov, and P. S. Gromov	830	1370	
The Reduction of Fe(III) to Fe(II) during Heating of Iron-Containing Clay Minerals			
under Vacuum —A. S. Plachinda, F. D. Ovcharenko, E. F. Makarov, Yu. I. Tarasevich,			
Yu. V. Baldokhin, and I. P. Suzdalev	833	1373	

Volume 207, Numbers 1-3

November, 1972

$\pi\pi$ -Conjugation Energy in Triphenylborane —Zh. S. Galuashvili, I. P. Romm, E. N. Gur'yanova,			
L. M. Viktorova, N. I. Sheverdina, and K. A. Kocheshkov	837	99	
Acid-Base Properties of Aquonitrotriamine Complexes of Platinum (IV)			
—N. N. Zheligovskaya, R. Khidzhazi, L. S. Yusupova, and V. L. Spitsyn	840	102	
Synthesis of Zirconium Carbides in an NaCl Melt —Yu. G. Zainulin, S. I. Alyamovskii,			
G. P. Sheveikin, and P. V. Gel'd	843	105	
Kinetics of the Reaction between Free Hydroxyl Radicals and the Mechanism of the Formation			
of Hydrogen Peroxide in Solution —I. A. Kazarnovskii and N. P. Lipikhin	845	107	
Rate and Orientation in Acidic Hydrogen Exchange by Ferrocene Derivatives Containing			
Electron-Acceptor Substituents —D. N. Kursanov, V. N. Setkina, A. I. Khatami,			
and M. N. Nefedova	849	111	
Synthesis of gem-Difluorocyclopropyl- and γ -gem-Difluoroallylchlorosilanes			
by Thermal Decomposition of Difluorochloromethane in the Presence of			
Vinylchlorosilanes —V. F. Mironov, O. M. Rad'kova, V. D. Sheludyakov,			
and V. V. Shcherbinin	852	114	
Investigation of Liquid-Solid Equilibrium in the System $\text{ClF}_5-\text{ClF}_3$ —V. F. Sukhoverkhov			
and V. S. Barkman	855	117	
Cis-Trans Equilibrium in Monomer-Polymer System in Polymerization of Cyclododecene			
under the Influence of $\text{Al}(\text{iso-C}_4\text{H}_9)_2\text{Cl}-\text{WC}_{16}$ —L. M. Vardanyan, Yu. V. Korshak,			
M. P. Teterina, and B. A. Dolgoplosk	859	345	
Application of Raman Spectra in Studying Structure of Cobalt and Zinc Complexes in Molten			
Nitrates —S. V. Volkov, N. P. Evtushenko, and K. B. Yatsimirskii	861	348	
Magnetic Properties of Fe(III) Chelates with Thiosemicarbazones of o-Hydroxyaldehydes			
—V. V. Zelentsov, L. G. Bogdagova, A. V. Ablov, N. V. Gérbeléu,			
and Ch. V. Dyatlova	864	351	
Mass Spectrometric Study of Bismuth Oxide Vaporization —E. K. Kazenas, D. M. Chizhikov,			
Yu. V. Tsvetkov, and M. V. Ol'shevskii	867	354	
ESR Study of Polycrystalline Polyols at 77-350°K after γ Irradiation At 77°K			
—I. V. Nikitin, L. V. Miroshnichenko, L. I. Kudryashov, M. E. Dyatkina,			
and N. K. Kochetkov	869	356	
Compounds of Zirconium with Glycine and Serine —Z. N. Prozorovskaya, S. S. Kalinina,			
L. N. Komissarova, K. I. Petrov, and Vikt. L. Spitsyn	872	359	
Synthesis and Investigation of Stereoisomeric Forms of Methylphenylspirosiloxanes			
—K. A. Andrianov, A. B. Zachernyuk, and B. D. Lavrukhin	876	593	
Investigation of 3 α , 4 β -Dichlorocarane by Electron Diffraction —B. A. Arbuzov,			
V. A. Naumov, V. M. Bezzubov, Z. G. Isaeva, and G. Sh. Bikbulatova	879	596	

Formation of Carbocation Intermediates during Bromodemetalation of Organomercury and Organotin Compounds— Yu. G. Bundel', V. K. Piotrovskii, V. I. Rozenberg, and O. A. Reutov	882	599
Application of Electronic Computers to Triangulation of Composition Diagrams of Multicomponent Systems with Complex Compounds— L. S. Davydova, A. G. Kraeva, V. N. Pervikova, V. I. Posypaiko, and E. A. Alekseeva	885	603
Inhibition of Almond β -Glycosidase by Synthetic C-Glycosides— Yu. A. Zhdanov and R. M. Kessler	889	607
Polycyclotrimerization of Isophthalonitrile— V. V. Korshak, T. M. Frunze, A. A. Izyneev, and V. G. Samsonova	892	610
Organoboron Compounds. The Dimethyl Ester of 1-Indenylboronic Acid— B. M. Mikhailov, T. K. Baryshnikova, V. S. Bogdanov, and V. V. Negrebetskii	895	613
Derivatives of Cymantrenylferrocene— A. N. Nesmeyanov, N. N. Sedova, V. A. Sazonova, and L. S. Borodina	899	617
1-Methyl-1(<i>o</i> -nitrophenyl)cyclopropane and Its Reaction with Concentrated Sulfuric Acid— Yu. S. Shabarov, S. S. Mochalov, I. P. Stepanova, and G. V. Aleksakhin	902	621
Synthetic Analogs of Histones— V. A. Shibnev, L. I. Mar'yash, and K. T. Poroshin	905	625

Volume 207, Numbers 4-6 December, 1972

The Reaction of α -3,4-Epoxy-carane with Hydrogen Chloride— B. A. Arbuzov, Z. G. Isaeva, G. Sh. Bikbulatova, and N. I. Semakhina	909	853
Coordination Unsaturation of Active Centers in the Catalytic Polymerization of Olefins— V. A. Zakharov, G. D. Bukatov, Yu. I. Ermakov, and E. A. Demin	913	857
Nuclear Magnetic Resonance of Nucleotides. Detection of Intramolecular Interaction— S. V. Zenin, B. V. Tyaglov, G. B. Sergeev, Z. A. Shabrova, E. S. Gromova, and M. A. Prokof'ev	917	861
The Role of Intramolecular Donor-Acceptor Interactions in Reactions of Secondary Triorganoaminoalkylsilanes— N. S. Nametkin, I. A. Grushevenko, V. N. Perchenko, and G. L. Kamneva	920	865
Decamethylferrocene from Ferrocene— A. N. Nesmeyanov, N. S. Kochetkova, A. M. Vainberg, and Yu. K. Krynkina	923	868
ESR Study from 77 to 190°K of Frozen Aqueous Solutions of Polyols γ -Irradiated at 77°K— L. V. Nikitin, L. V. Miroshnichenko, L. I. Kudryashov, M. E. Dyatkina, and N. K. Kochetkov	926	871
Conversion of n-Paraffin Hydroperoxides in the Presence of Boron Trioxide— F. L. Novak, A. N. Bashkirov, V. V. Kamzolkin, and Yu. A. Talyzenkov	929	874
Polymerization of Cyclic Sulfides with Four-Membered Rings Initiated by Donor-Acceptor Interaction— G. A. Oreshkina, L. L. Stotskaya, and B. A. Krentsel'	933	878
Polyglycol Ethers as New Potential Polydentate Ligands in Complex-Forming Reactions with Transition-Metal Halides— A. D. Pomogailo, D. V. Sokol'skii, U. A. Mambetov, E. M. Gluzman, and G. G. Kochurovskaya	936	882
Electron-Donor Properties of Sulfones— V. V. Puchkova, E. N. Gur'yanova, R. R. Shifrina, and K. A. Kocheshkov	940	886
Investigation of the Magnetic Susceptibility of Some Inorganic Clathrates Based on Cobalt and Copper— V. A. Frolov, M. G. Struchkov, O. A. Reutov, and Yu. A. Klyachko	944	890
Short-Lived Active Centers in Heterogeneous Mechanochemical Reactions— Yu. N. Yarym-Agaev and P. Yu. Butyagin	946	892
Detection by H^1 NMR of Transition-State Complexes in the Anionic Polymerization of Organocyclosiloxanes— K. A. Andrianov, B. D. Lavrukhin, T. V. Biryukova, B. G. Zavin, and V. S. Svistunov	950	1113

The Structure of Albofungol—A. N. Gurevich, M. G. Karapetyan, M. N. Kolosov, V. N. Omel'chenko, V. V. Onoprienko, and G. I. Petrenko	953	1117
Mechanism of the Thermal Degradation of Aromatic Polysulfones—L. I. Danilina, É. N. Teleshov, and A. N. Pravednikov	957	1121
Study of Frozen Aqueous Solutions of Monosaccharides γ -Irradiated at 77°K over the Temperature Interval 77–190°K—L. V. Nikitin, L. V. Miroshnichenko, L. I. Kudryashov, M. E. Dyatkina, and N. K. Kochetkov	961	1125
Plotting of Solubility Boundary Lines and Determination of the Direction of Tie Lines in the Systems Ru–NbRu–HfRu and Ru–NbRu–ZrRu–F. S. Novik, M. V. Lomonosov, A. L. Tatarkina, M. V. Raelevskaya, and E. M. Sokolovskaya	964	1129
Investigation of the Effect of Nucleophilic Agents on the Thermal Degradation of Polymers with Carborane Groups in the Chain—S. R. Rafikov, L. V. Zhuravleva, R. S. Ayupova, S. A. Pavlova, P. M. Baletskii, A. I. Kalachev, S. V. Vinogradova, V. I. Stanko, and V. V. Korshak	968	1133
Features of the Electrophilic Addition of Alcohols to Alkoxyethylenes in Aromatic Solvents —B. A. Trofimov, O. N. Vylegzhannin, and M. G. Voronkov	971	1137
Changes in the Mechanism and Selectivity of Hydrogenation of Dienones Resulting from Catalyst Modification—L. Kh. Freidlina, N. V. Borunova, and L. I. Gvinter	974	1141
Acetolysis of Cyclobutylcarbinyl- C^{13} -p-Toluenesulfonate and Cyclobutylcarbinyl- C^{13} - Nitrobenzenesulfonate—T. N. Shatkina, E. V. Leont'eva, É. T. Lippmaa, T. I. Pekhk, and O. A. Reutov	977	1144
The Electronic Absorption Spectra of Benzene(Triphenylphosphine)Chromiumdicarbonyl and Benzenechromium Tricarbonyl and Use of the Spectra in a Study of the Kinetics of the Decomposition of these Complexes—B. M. Yavorskii, V. N. Trembovler, N. K. Baranetskaya, and V. N. Setkina	980	1147
Synthesis of the Methyl Ester of 5-Vinylquinuclidine-2-Carboxylic Acid —L. N. Yakhontov, L. L. Mastafanova, K. F. Turchin, L. M. Alekseeva, and Yu. N. Sheinker	983	1150
Structure of the Antibiotics Albofungin and Chloroalbofungin—A. I. Gurevich, M. G. Karapetyan, M. N. Kolosov, V. V. Onoprienko, and S. A. Popravko	986	1347
H^1 NMR Spectra of Acetylated Steroid and Triterpene Glycosides—A. K. Dzizenko, V. V. Isakov, N. I. Uvarova, G. I. Oshitok, and G. B. Elyakov	990	1351
The Relationship between Catalytic Activity and the Nature of Rare-Earth Elements Used as Promoters for Platinum/Alumina Catalyst—N. S. Kozlov, G. M. Sen'kov, V. A. Polikarpov, and A. M. Davidovskaya	994	1355
Some Features of the Nucleophilic Addition of Aliphatic Amines and Ammonia to Vinylsilanes—N. S. Nametkin, L. A. Grushevenko, V. N. Perchenko, G. L. Kamneva, and M. É. Kuzovkina	996	1358
Synthesis of Stereoisomeric Monodeuterated Cyclopropane Hydrocarbons—O. A. Nesmeyanova, T. Yu. Rudashevskaya, and B. A. Kazanskii	999	1362
Determination of the Composition of Diastereomeric Mixtures by PMR Using a Shift Reagent —V. M. Potapov, V. M. Dem'yanovich, and V. P. Zaitsev	1002	1366
Some Anomalies in the Mass Spectra of Copper(II) Alkanoates —Kh. Sh. Khariton, G. A. Popovich, and A. V. Ablov	1005	1369
Reaction of the Silver Salt of Cyclobutane Carboxylic Acid with Bromine (The Hunsdiecker Reaction)—T. N. Shatkina, A. N. Lovtsova, E. V. Leont'eva, and O. A. Reutov	1009	1373
INDEX		
Author Index, Volumes 202–207, 1972	1015	
Tables of Contents, Volumes 202–207, 1972	1021	

1 2 3 4 5

